

# ALWAYS AHEAD OF THE CURVE

ANGIOPHGRAPHIC CATHETERS





## ANGIODYNAMICS ANGIOGRAPHIC CATHETERS

DEDICATION AND INNOVATION FROM CATHETER VALLEY TO YOU

AngioDynamics' **heritage in catheters** started in **upstate New York** (Queensbury, NY), right in the Adirondacks, and still remains there. Located in the heart of "**Catheter Valley**", AngioDyanamics is one of many different medical device companies providing various catheter-based technologies for minimally invasive diagnosis and treatment of various disease states.



With the launch of the **Soft-Vu catheter line in 1992**, AngioDynamics quickly became a **global leader in catheter technology innovations** for interventional radiologists for the diagnosis and treatment of peripheral vascular disease. Since then, AngioDynamics has grown to become an industry-leading provider of **high-quality medical devices for the treatment of cancer, venous disease and peripheral vascular disease** around the world.

- Our mission remains the **development of vascular procedures and patient care** with continued investment and innovation in Angiographic Catheters.
- **Quality and reliability** you can trust, with more than **28 years of catheter experience**, and a network of support from a global company with approximately 800 employees.
- **With more than 900 different options** to choose from, AngioDynamics has the catheters you need.
- **Feel the performance** of product benefits, driven by input from our Key Opinion Leader (KOL) network for products that **meet real-world needs**.

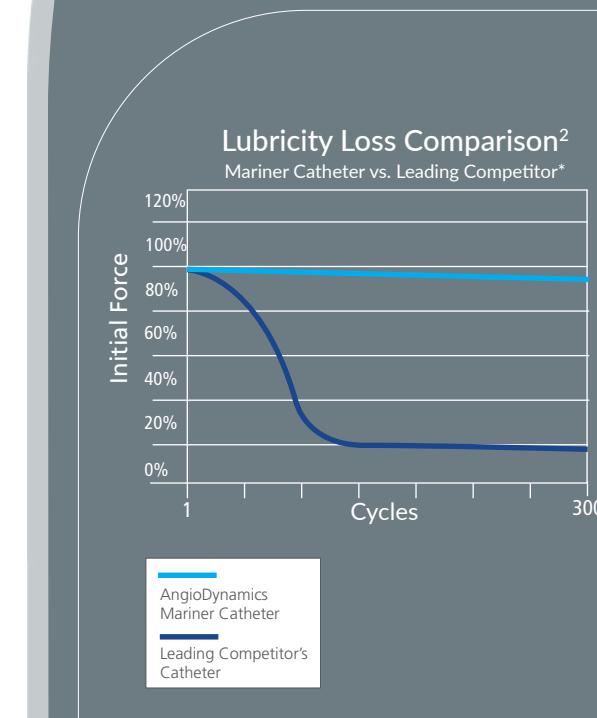
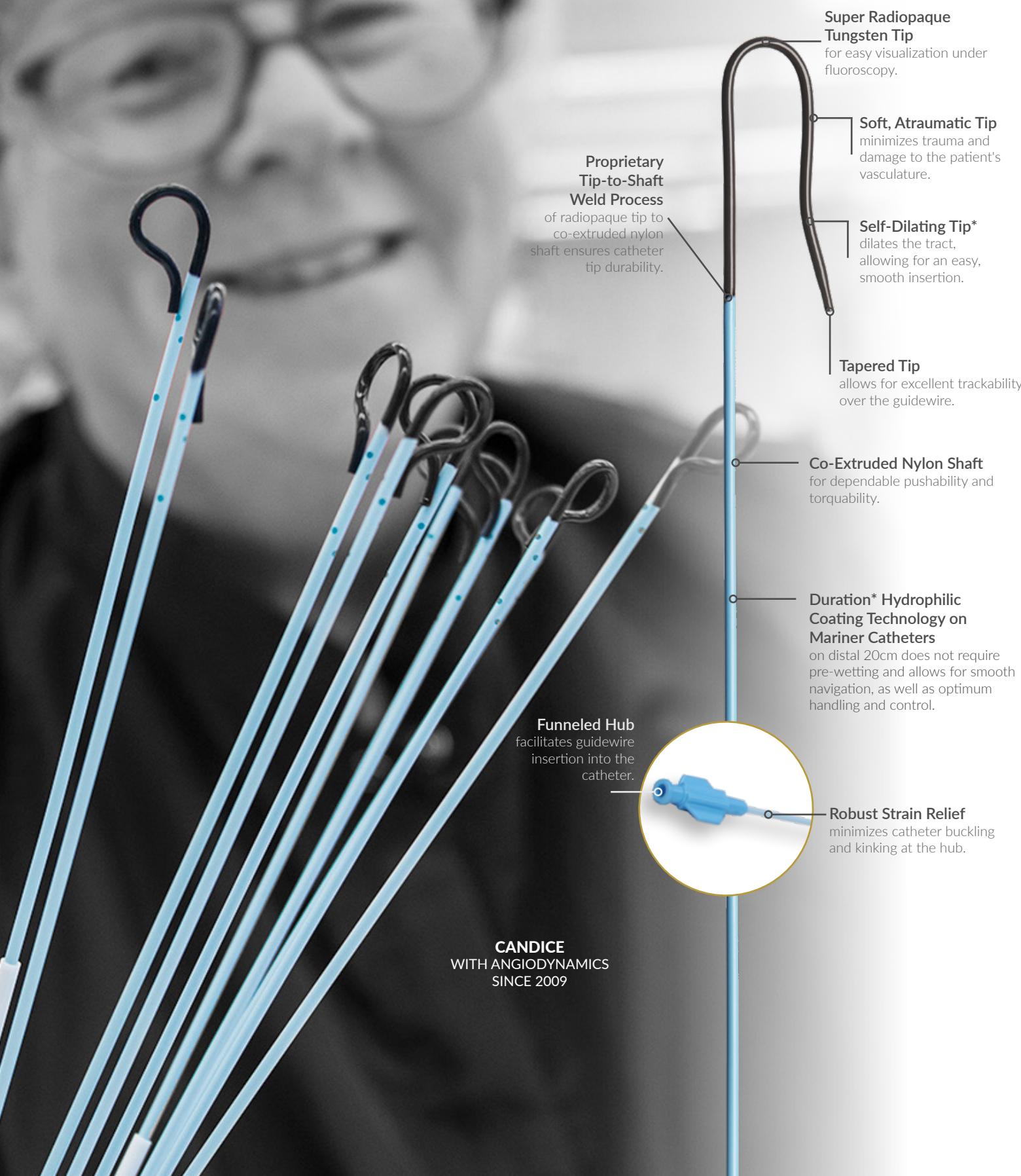
Our commitment is to be the most dependable and supportive partner, committed to providing **best-in-class** products for the best procedural outcomes. When you choose AngioDynamics, you are not just choosing a supplier. You are choosing a **long-term partner**.

*At AngioDynamics, pride is an integrated piece of our creation process. Each of our employees strongly believes in the responsibility we have to provide healthcare professionals around the world with the vital tools they need to deliver high-quality patient care and improve patient outcomes. Through quality and innovation, we take this responsibility seriously by providing high performance Angiographic Catheters to our customers that are better than any of our competitors. The quality, care, and pride that we put into our products is what earns the trust of our customers and their patients. A trust that spans globally, but starts here in our backyard in upstate New York.*

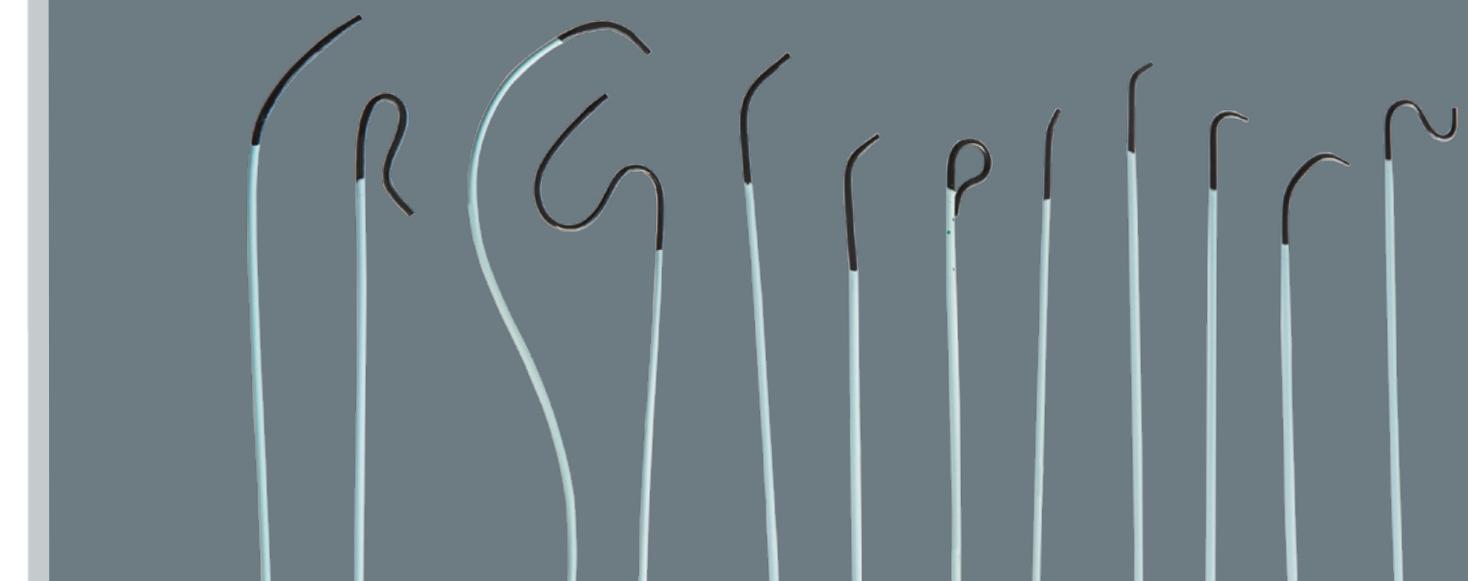
- Jim Clemmer  
President and CEO  
AngioDynamics, Inc.

# ANGIOPHARMIC CATHETERS

Redefining performance through innovation.



FEATURES <sup>1</sup>		
<b>Soft-Vu</b>	<b>Mariner</b>	
French Size	4, 5 AND 6F	4 AND 5F
Standard Length	25CM -110CM	40CM-110CM
Long Length	120CM-140CM	120CM-150CM
Shaft Type	NON-BRAIDED OR BRAIDED	NON-BRAIDED OR BRAIDED
Wire Acceptance	0.035" AND 0.038"	0.035" AND 0.038"
Tip Shapes	SELECTIVE: 63	SELECTIVE: 46
	FLUSH: 5	FLUSH: 3
Tip Taper	TAPERED AND NON-TAPERED	TAPERED AND NON-TAPERED
Side Holes	0, 2, 4, 6, 8, 10	0, 2, 4, 6, 8, 10
Duration Hydrophilic Coating		✓

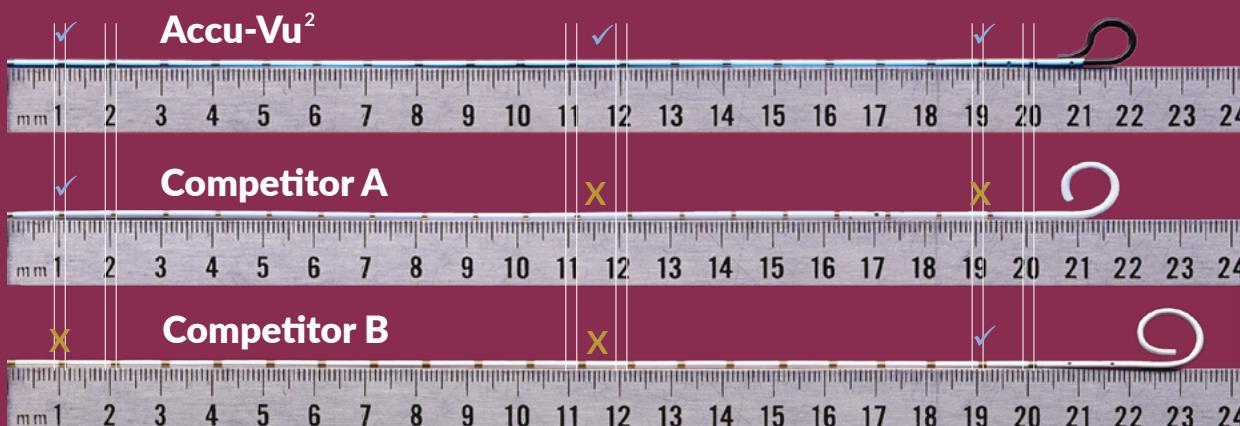


# SIZING CATHETERS

Leading the way in precision and performance.

## FEATURES<sup>1</sup>

	<b>Accu-Vu </b> Sizing Catheters
FRENCH SIZE	4F AND 5F
GUIDEWIRE ACCEPTANCE	0.035" AND 0.038"
LENGTH	70, 90 AND 100CM
MARKER BAND	PLATINUM
MARKER BAND ACCURACY	+/- 1MM ACROSS THE ENTIRE SIZING PATTERN
TIP SHAPES + SIDE HOLES	OMNI FLUSH: 6 STRAIGHT: 6 PIGTAIL: 10
SOFT-VU CATHETER FEATURES + BENEFITS	✓
MARKER BAND PLACEMENT	2CM: 2 BANDS SPACED 2CM APART 20CM: 21BANDS SPACED 1CM APART 25CM: 6 BANDS SPACED 1CM APART; 4 BANDS SPACED 5CM APART. 28MM: 2 BANDS SPACED 28MM APART



## Segment Sizing Catheter Illustrations

### 2cm Segment Sizing Catheter



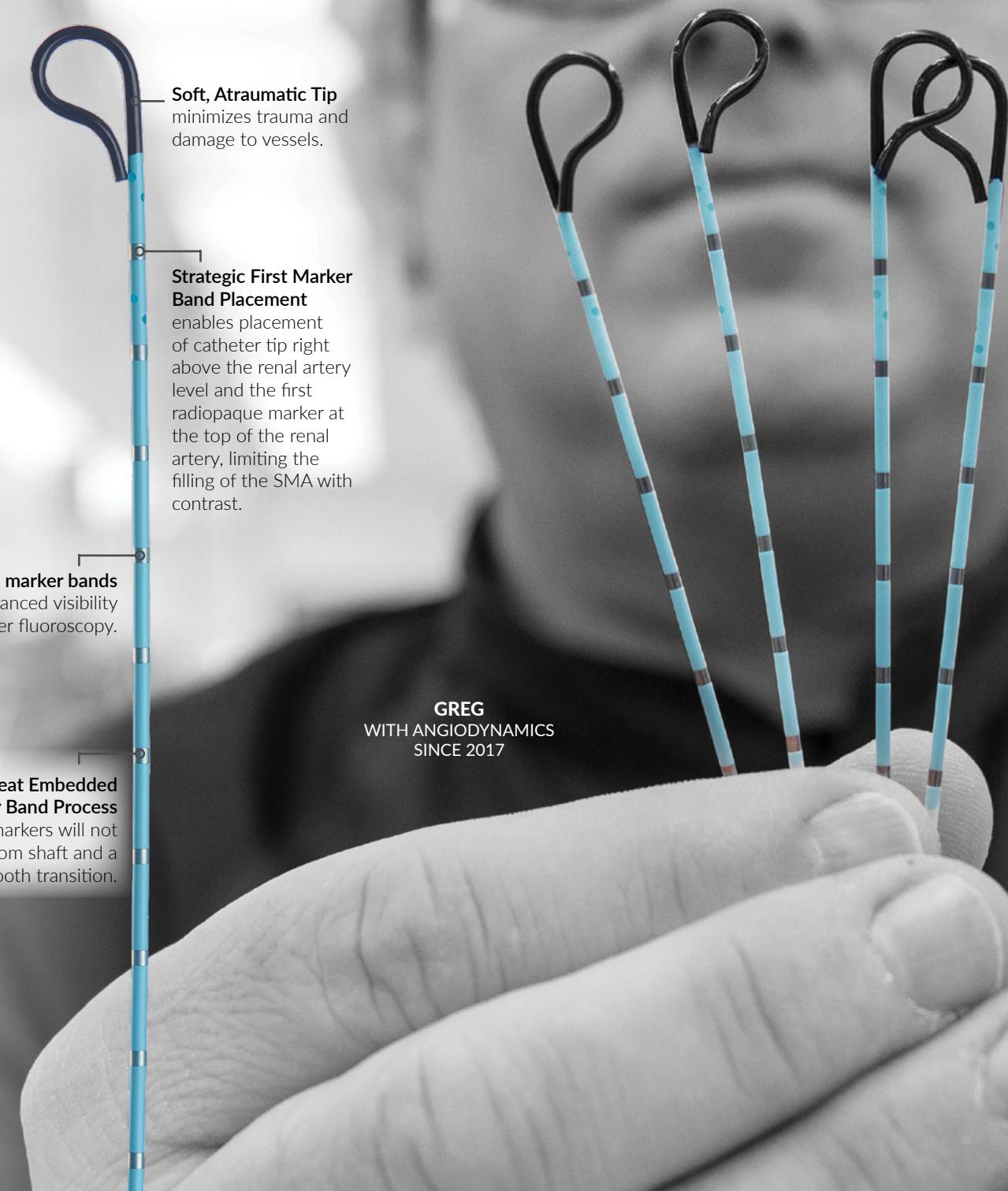
### 20cm Segment Sizing Catheter



### 25cm Segment Sizing Catheter



### 28mm Sizing Catheter



# THE OMNI FLUSH CATHETER

Often Imitated, Never Duplicated.

## OMNI FLUSH TIP DESIGN

**Directed Contrast Bolus<sup>3</sup>:** allows for improved opacification, less reflux into adjacent branch vessels and less overall contrast load to the patient. (Fig A)

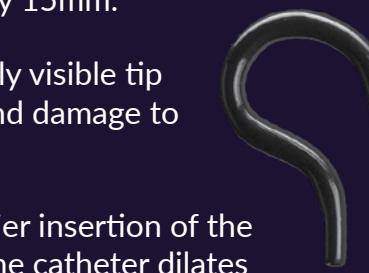
**Contralateral Tip Positioning:** Facilitates easier contralateral access. Once the bifurcation has been crossed and wire removed, the shape of the Omni Flush is such that the tip is pointing down into the vessel lumen.<sup>4</sup> (Fig B)

**Multifunctional:** Single catheter for flush aortography, bilateral “run-offs” of the lower extremities, and facilitates contralateral iliac selection, saving time and money. (Fig B)

**Additional Measurement Reference Tool<sup>3</sup>:**  
The distance from the top of the Omni Flush curve to the bottom of the tip is approximately 15mm.

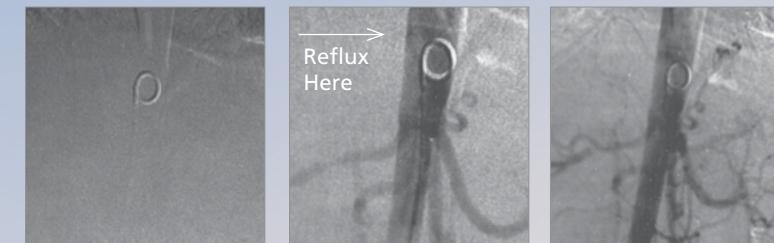
**Soft, Radiopaque Tip:** Highly visible tip that is soft to minimize trauma and damage to the patient's vasculature.

**Self-Dilating Tip:** aids in easier insertion of the catheter over the guidewire, as the catheter dilates the tract during advancement.

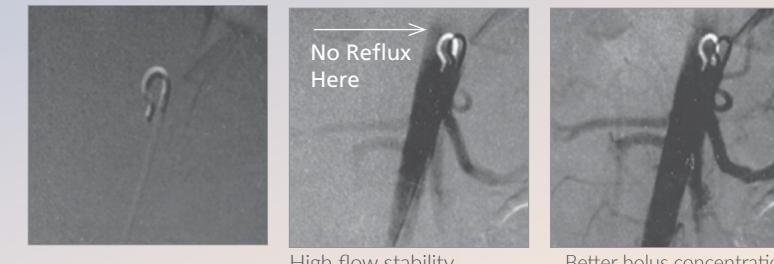


### BETTER FLUSH USE (Figure A)

5F Pigtail 15ml at 15ml/sec–30%

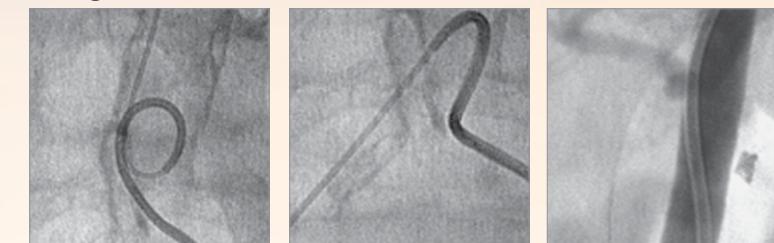


5F Omni Flush 15ml at 15ml/sec–30%

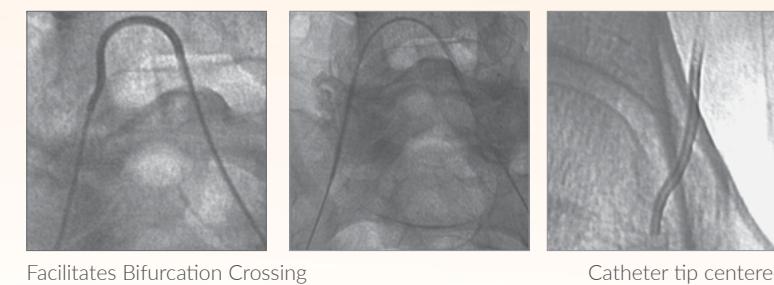


### CENTRAL LATERAL SELECTION (Figure B)

5F Pigtail



5F Omni Flush

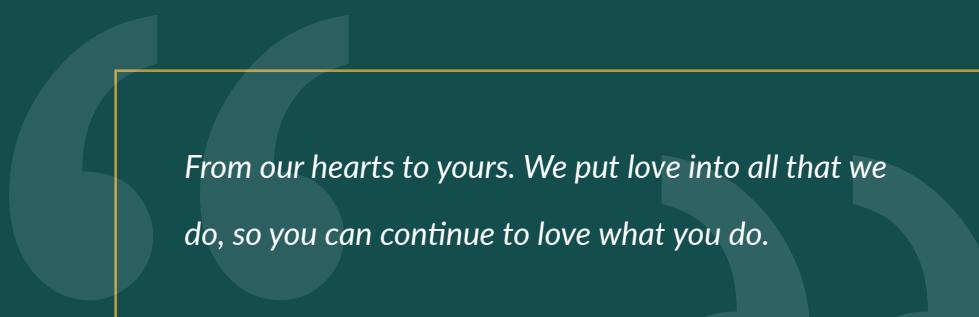


From a value perspective, the Omni Flush catheter allows you to go up and over the bifurcation for iliac access, saves you a catheter exchange and also the cost of that catheter, if you can hook the bifurcation and then pull down, that's increased utility and why some people use an Omni Flush over Pigtail.

- John Streitman, MD

Cardiovascular - Thoracic Surgeon,

HCA Healthcare



*From our hearts to yours. We put love into all that we do, so you can continue to love what you do.*

- Carol Lancette

Production Supervisor

AngioDynamics, Inc.



**CAROL**  
WITH ANGIODYNAMICS  
SINCE 1995

**AMY**  
WITH ANGIODYNAMICS  
SINCE 1986

EXTENSIVE PORTFOLIO.  
SPECIALIZED FOCUS.



CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
					TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
TIP IMAGE	NAME	CATHETER FRENCH LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	ARC	4F X 90CM (0.035")	3CM	0	-	-	-	-	-	-	-	H787117105015	H787117105005	5
		4F X 100CM (0.038")			-	-	-	-	-	-	-	H787117105035	-	5
		5F X 90CM (0.038")			-	-	-	-	-	H787117105055	H787117105045	-	-	5
	BENTSON 1	4F X 65CM (0.038")	7.2CM	0	-	-	H787107100065	-	5	-	-	-	-	-
		4F X 100CM (0.035")			-	-	H787107190015	H787107083015	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107100075	-	5	-	-	H787117227135	-	5
		5F X 65CM (0.038")			H787107100085	-	-	-	5	-	-	-	-	-
		5F X 100CM (0.035")			H787107202015	H787107097015	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			H787107202045	H787107097045	-	-	5	H787117202045	-	-	-	5
	BENTSON 2	4F X 100CM (0.035")	8.5CM	0	-	-	H787107190025	H787107083025	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	-	-	-	-	-	H787117140435	-	5
		5F X 100CM (0.035")			H787107202025	H787107097025	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			H787107202055	H787107097055	-	-	5	H787117202055	-	-	-	5
	BENTSON 3	4F X 100CM (0.035")	8.5CM	0	-	-	H787107190035	H787107083035	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107100095	-	5	-	-	-	-	-
		5F X 100CM (0.035")			H787107202035	H787107097035	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			-	H787107097065	-	-	5	H787117202065	-	-	-	5
	BERENSTEIN	4F X 40CM (0.035")	3CM	0	-	-	-	H787107235035	5	-	-	-	-	H787117235035
		4F X 40CM (0.038")			-	-	-	-	-	-	-	H787117236025	-	5
		4F X 65CM (0.035")			-	-	-	H787107235025	5	-	-	-	H787117235025	5
		4F X 65CM (0.038")			-	-	H787107140095	-	5	-	-	H787117140095	-	5
		4F X 100CM (0.035")			-	-	-	H787107235015	5	-	-	-	H787117235015	5
		4F X 100CM (0.038")			-	-	H787107140165	-	5	-	-	H787117140165	-	5
		4F X 110CM (0.035")			-	-	H787107236015	H787107235045	5	-	-	H787117236015	H787117235045	5
		4F X 130CM (0.035")			-	-	-	-	-	-	-	H787117221105	-	5
		4F X 130CM (0.038")			-	-	H787107100055	-	5	-	-	H787117221115	-	5

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
TIP IMAGE	NAME	CATHETER FRENCH LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	BERENSTEIN	4F X 140CM (0.035")	3CM	0	-	-	-	H787107227085	5	-	-	-	-	-
		4F X 150CM (0.035")			-	-	-	-	-	-	-	-	H787117227095	5
		4F X 150CM (0.038")			-	-	-	-	-	-	-	H787117227105	-	5
		5F X 40CM (0.038")			H787107221055	-	-	-	5	-	H787117235055	-	-	5
		5F X 65CM (0.035")			-	H787107227045	-	-	5	-	H787117227045	-	-	5
		5F X 65CM (0.038")			H787107221045	H787107227035	H787107221065	-	5	H787117221045	H787117227035	-	-	5
		5F X 100CM (0.035")			H787107221015	H787107227015	-	-	5	H787117221015	H787117227015	-	-	5
		5F X 100CM (0.038")			H787107221025	H787107227025	H787107221075	-	5	H787117221025	H787117227025	-	-	5
		5F X 110CM (0.038")			H787107221035	H787107227055	-	-	5	H787117221035	H787117227055	-	-	5
		5F X 130CM (0.035")			-	-	-	-	-	H787117221095	-	-	-	5
		5F X 130CM (0.038")			-	H787107227075	-	-	5	-	H787117227075	-	-	5
		5F X 140CM (0.035")			-	H787107227065	-	-	5	-	-	-	-	-
		5F X 140CM (0.038")			H787107221095	-	-	-	5	-	-	-	-	-
		5F X 150CM (0.035")			-	-	-	-	-	-	H787117227115	-	-	5
		5F X 150CM (0.038")			-	-	-	-	-	-	H787117227125	-	-	5
		6F X 65CM (0.038")			H787107317025	-	H787107317015	-	5	-	-	-	-	-
		6F X 100CM (0.038")			-	H787107113015	-	-	5	-	-	-	-	-
		6F X 110CM (0.038")			-	H787107113025	-	-	5	-	-	-	-	-
		5F X 65CM (0.038")	10CM		H787107221085	-	-	-	5	H787117221085	-	-	-	5
	CHERNE	5F X 69CM (0.035")	8CM	0	-	H787107352015	-	-	5	-	H787117352015	-	-	5

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	COBRA 1	4F X 65CM (0.035")	2CM	0	-	-	H787107185015	H787107077015	5	-	-	H787117185015	H787117077015	5
		4F X 65CM (0.038")			-	-	H787107140105	-	5	-	-	H787117140105	-	5
		4F X 90CM (0.035")			-	-	H787107185045	H787107077045	5	-	-	H787117185045	H787117077045	5
		4F X 100CM (0.038")			-	-	H787107140175	-	5	-	-	H787117140175	-	5
		5F X 65CM (0.035")			H787107197015	H787107091015	-	-	5	H787117197015	H787117091015	-	-	5
		5F X 65CM (0.038")			H787107197075	H787107091075	-	-	5	H787117197075	H787117091075	-	-	5
		5F X 90CM (0.035")			H787107197045	H787107091045	-	-	5	H787117197045	H787117091045	-	-	5
		5F X 90CM (0.038")			H787107197105	H787107091105	-	-	5	H787117197105	H787117091105	-	-	5
		6F X 90CM (0.038")			-	H787107105105	-	-	5	-	-	-	-	-
		4F X 65CM (0.035")	2	2	-	-	-	H787107077075	5	-	-	-	-	-
		5F X 65CM (0.038")			H787107318015	-	-	-	5	H787117318015	-	-	-	5
	COBRA 2	4F X 65CM (0.035")	2CM	0	-	-	H787107185025	H787107077025	5	-	-	H787117185025	H787117077025	5
		4F X 65CM (0.038")			-	-	H787107140115	-	5	-	-	H787117140115	-	5
		4F X 90CM (0.035")			-	-	H787107185055	H787107077055	5	-	-	H787117185055	-	5
		4F X 100CM (0.038")			-	-	H787107140185	-	5	-	-	H787117140185	-	5
		5F X 65CM (0.035")			H787107197025	H787107091025	-	-	5	H787117197025	H787117091025	-	-	5
		5F X 65CM (0.038")			H787107197085	H787107091085	-	-	5	H787117197085	H787117091085	-	-	5
		5F X 80CM (0.038")			-	H787107091135	-	-	5	-	-	-	-	-
		5F X 90CM (0.035")			H787107197055	H787107091055	-	-	5	H787117197055	H787117091055	-	-	5
		5F X 90CM (0.038")			H787107197115	H787107091115	-	-	5	H787117197115	H787117091115	-	-	5
		5F X 150CM (0.035")			-	-	-	-	-	-	-	H787117092055	-	5
		6F X 65CM (0.038")			H787107209085	-	-	-	5	-	-	-	-	-
		4F X 65CM (0.035")	2	2	-	-	-	H787107077085	5	-	-	-	-	-
		5F X 65CM (0.035")			H787107318055	-	-	-	5	H787117318055	-	-	-	5
		5F X 65CM (0.038")			H787107318025	-	-	-	5	H787117318025	-	-	-	5

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					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	COBRA 3	4F X 65CM (0.035")	2CM	0	-	-	H787107185035	H787107077035	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	H787107140125	-	5	-	-	-	-	-
		4F X 90CM (0.035")			-	-	H787107185065	H787107077065	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107140195	-	5	-	-	-	-	-
		5F X 65CM (0.035")			H787107197035	H787107091035	-	-	5	-	-	-	-	-
		5F X 65CM (0.038")			H787107197095	H787107091095	-	-	5	H787117197095	-	-	-	5
		5F X 90CM (0.035")			H787107197065	H787107091065	-	-	5	-	-	-	-	-
		5F X 90CM (0.038")			H787107197125	H787107091125	-	-	5	-	-	-	-	-
		5F X 65CM (0.035")		2	H787107318045	-	-	-	5	-	-	-	-	-
		5F X 65CM (0.038")			H787107318035	-	-	-	5	H787117318035	-	-	-	-
	COBRITA	5F X 25CM (0.035")	2CM	0	H787107230745	-	-	-	5	-	-	-	-	5
		5F X 40CM (0.035")			H787107230425	-	-	-	5	-	-	-	-	-
		5F X 65CM (0.035")			H787107230185	-	-	-	5	-	-	-	-	-
	DRESCHER	4F X 130CM (0.035")	1.5CM	0	-	-	-	-	-	-	-	-	-	H787117071335
	HAWKINS HAIRPIN	4F X 90CM (0.038")	4.5CM	0	-	-	-	-	-	-	-	-	H787117251015	-
		5F X 90CM (0.038")			-	-	-	-	-	H787117251025	-	-	-	5

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
TIP IMAGE	NAME	CATHETER FRENCH LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	HASTINGS U-TURN	5F X 90CM (0.038")	2.5CM	0	H787107229915	-	-	-	5	-	-	-	-	-
	HEAD HUNTER 1	4F X 65CM (0.038")	8CM	0	-	-	H787107140275	-	5	-	-	-	-	-
		4F X 100CM (0.035")			-	-	H787107183015	H787107075015	5	-	-	H787117183015	H787117075015	5
		4F X 100CM (0.038")			-	-	H787107140405	-	5	-	-	H787117140405	-	5
		4F X 130CM (0.035")			-	-	-	H787107089065	5	-	-	-	H787117089065	5
		4F X 130CM (0.038")			-	-	-	-	-	-	-	H787117092155	-	5
		5F X 65CM (0.038")			-	H787107089055	-	-	5	-	H787117089055	-	-	5
		5F X 100CM (0.035")			H787107195015	H787107089015	-	-	5	H787117195015	H787117089015	-	-	5
		5F X 100CM (0.038")			H787107195035	H787107089035	-	-	5	H787117195035	H787117089035	-	-	5
		5F X 130CM (0.035")			-	-	-	-	-	H787117195055	H787117089075	-	-	5
		5F X 130CM (0.038")			-	-	-	-	-	H787117195075	H787117092165	-	-	5
		5F X 140CM (0.038")			H787107195055	-	-	-	5	-	-	-	-	-
		6F X 100CM (0.035")			H787107207015	-	-	-	5	-	-	-	-	-
	HEAD HUNTER 3	4F X 100CM (0.035")	12CM	0	-	-	H787107183025	H787107075025	5	-	-	H787117183025	-	5
		4F X 100CM (0.038")			-	-	H787107100115	-	5	-	-	-	-	-
		5F X 100CM (0.035")			H787107195025	H787107089025	-	-	5	H787117195025	-	-	-	5
		5F X 100CM (0.038")			H787107195045	H787107089045	-	-	5	H787117195045	-	-	-	5
	HOCKEY STICK 1	5F X 65CM (0.035")	3.5CM	0	H787107218055	-	-	-	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	H787107140335	-	5	-	-	H787117140335	-	5
		4F X 100CM (0.035")	4CM	0	-	-	-	-	-	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107140475	-	5	-	-	-	-	-
		5F X 100CM (0.035")			-	-	-	-	-	H787117218015	-	-	-	5
		5F X 100CM (0.038")			H787107218035	H787107224035	-	-	5	-	-	-	-	-
		4F X 100CM (0.035")			-	-	-	H787107325015	5	-	-	-	H787117325015	5

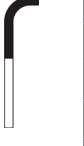
CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
					TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	HOCKEY STICK 2	4F X 65CM (0.035")	4.5CM	0 10CM	-	-	H787107187025	H787107079025	5	-	-	-	-	-
		4F X 100CM (0.035")			-	-	-	H787107233025	5	-	-	-	-	-
		5F X 65CM (0.038")			-	H787107224055	-	-	5	-	-	-	-	-
		5F X 100CM (0.035")			H787107218025	H787107224025	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			H787107218045	H787107224045	-	-	5	-	-	-	-	-
	HOOK 1	4F X 65CM (0.035")		0 3.5CM	-	-	H787107187015	H787107079015	5	-	-	H787117187015	-	5
		5F X 65CM (0.035")			H787107199015	H787107093015	-	-	5	H787117199015	H787117093015	-	-	5
		5F X 65CM (0.038")			H787107199035	H787107093035	-	-	5	H787117199035	-	-	-	5
	HOOK 2	4F X 65CM (0.035")		0 4.5CM	-	-	H787107187025	H787107079025	5	-	-	H787117187025	-	5
		5F X 65CM (0.035")			H787107199025	H787107093025	-	-	5	-	-	-	-	-
		5F X 65CM (0.038")			H787107199045	H787107093045	-	-	5	-	-	-	-	-
		5F X 80CM (0.038")			-	H787107100125	-	-	5	-	-	-	-	-
	JB 1	4F X 65CM (0.035")		0 3CM	-	-	-	H787107340015	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	H787107140355	-	5	-	-	H787117140355	-	5
		4F X 100CM (0.035")			-	-	-	H787107340025	5	-	-	-	H787117340025	5
		4F X 100CM (0.038")			-	-	H787107140495	-	5	-	-	H787117140495	-	5
		5F X 65CM (0.038")			-	H787107341015	-	-	5	-	H787117341015	-	-	5
		5F X 100CM (0.035")			H787107342015	H787107341035	-	-	5	H787117342015	-	-	-	5
		5F X 100CM (0.038")			-	H787107341025	-	-	5	H787117341025	-	-	-	5
		5F X 130CM (0.035")			-	-	-	-	-	H787117342095	-	-	-	5
		5F X 130CM (0.038")			H787107342085	-	-	-	5	-	-	-	-	-
		5F X 150CM (0.035")			-	-	-	-	-	H787117092175	-	-	-	5

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>					
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY	
					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		
	JB2	4F X 65CM (0.038")	1CM	0	H787107342025	-	-	-	5	-	-	-	-	-	
		5F X 100CM (0.038")			-	-	-	-	-	-	H787117092185	-	-	5	
		5F X 110CM (0.035")			H787107342035	-	-	-	5	H787117342035	-	-	-	5	
		4F X 65CM (0.038")	3CM		-	-	H787107140365	-	5	-	-	H787117140365	-	5	
		4F X 100CM (0.038")			-	-	H787107140505	-	5	-	-	H787117140505	-	5	
		5F X 100CM (0.035")			H787107342045	-	-	-	5	H787117342045	-	-	-	5	
		5F X 100CM (0.035")	8.5CM		H787107342055	-	-	-	5	-	-	-	-	-	
		5F X 130CM (0.038")			H787107342075	-	-	-	5	-	-	-	-	-	
		4F X 65CM (0.038")	3CM		-	-	-	-	-	-	-	H787117140375	-	5	
		4F X 100CM (0.038")			-	-	H787107140515	-	5	-	-	-	-	-	
		5F X 100CM (0.035")	4CM		H787107342065	-	-	-	5	H787117342065	-	-	-	5	
	KERBER	4F X 100CM (0.035")	5CM	0	-	-	H787107346015	-	5	-	-	-	-	-	
		5F X 100CM (0.035")			-	-	-	-	-	H787117348015	-	-	-	5	
		5F X 100CM (0.038")	10CM		-	H787107347015	-	-	5	-	-	-	-	-	
	KERN'S	4F X 65CM (0.035")	2CM	1	-	-	H787107338015	H787107339015	5	-	-	H787117338015	H787117339015	5	
	KUMPE	4F X 40CM (0.035")	3CM	0	-	-	H787107343015	-	5	-	-	-	-	-	
		4F X 40CM (0.038")			-	-	H787107100135	-	5	-	-	H787117327045	-	5	
		4F X 65CM (0.038")			-	-	H787107140145	-	5	-	-	H787117140145	-	5	
		4F X 100CM (0.035")			-	-	H787107343025	-	5	-	-	H787117343025	-	5	
		4F X 100CM (0.038")			-	-	H787107140215	-	5	-	-	H787117140215	-	5	
		5F X 25CM (0.035")			H787107327075	-	-	-	5	-	-	-	-	-	
		5F X 40CM (0.035")			-	-	-	-	-	H787117327055	H787117327065	-	-	5	
		5F X 40CM (0.038")			H787107327025	-	-	-	5	H787117327025	-	-	-	5	
		5F X 65CM (0.038")			H787107327015	-	-	-	5	H787117327015	-	-	-	5	
		5F X 100CM (0.038")			H787107327035	-	-	-	5	H787117327035	-	-	-	5	
		5F X 150CM (0.035")			-	-	-	-	-	-	H787117092195	-	-	5	

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>					
					TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY	
TIP IMAGE	NAME	CATHETER FRENCH LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		
	LEVIN	4F X 65CM (0.035")	3CM	0	-	-	-	H787107328015	5	-	-	-	-	H787117328015	5
		5F X 65CM (0.038")			-	H787107100145	-	-	5	-	-	-	-	-	-
	MANI	4F X 65CM (0.038")	7.5CM	0	-	-	H787107140295	-	5	-	-	-	-	-	-
		4F X 100CM (0.035")			-	-	H787107182015	H787107074015	5	-	-	H787117182015	-	5	
		4F X 100CM (0.038")			-	-	H787107140445	-	5	-	-	H787117092205	-	5	
		5F X 100CM (0.035")			H787107194015	H787107088015	-	-	5	H787117194015	-	-	-	5	
		5F X 100CM (0.038")			H787107194025	H787107088025	-	-	5	-	-	-	-	-	
	MATARJEME	5F X 65CM (0.035")	12.5CM	0	-	H787107353015	-	-	5	-	-	-	-	-	
	MIKAELSSON	4F X 90CM (0.035")	4.5CM	0	-	-	H787107337015	-	5	-	-	-	-	-	
		5F X 80CM (0.038")			H787107321015	-	-	-	5	H787117321015	-	-	-	5	
	MPA	4F X 65CM (0.035")	3.2CM	0	-	-	-	H787107354015	5	-	-	-	-	H787117354015	5
		4F X 65CM (0.038")			-	-	H787107140385	-	5	-	-	H787117140385	-	5	
		4F X 100CM (0.035")			-	-	-	H787107354025	5	-	-	-	H787117354025	5	
		4F X 100CM (0.038")			-	-	H787107140525	-	5	-	-	H787117140525	-	5	
		4F X 130CM (0.038")			-	-	H787107100155	-	5	-	-	-	-	-	
		5F X 50CM (0.035")			-	H787107355015	-	-	5	-	-	-	-	-	
		5F X 65CM (0.038")			H787107100175	-	-	-	5	-	H787117355025	-	-	5	
		5F X 80CM (0.035")			-	H787107355035	-	-	5	-	H787117355035	-	-	5	
		5F X 100CM (0.038")			-	H787107355045	-	-	5	-	H787117355045	-	-	5	
		5F X 130CM (0.038")			-	H787107100165	-	-	5	-	-	-	-	-	
		6F X 90CM (0.035")	6CM	8	H787107357015	-	-	-	5	-	-	-	-	-	
		4F X 150CM (0.038")			-	-	-	-	-	-	-	H787117092215	-	5	
		5F X 65CM (0.035")			-	H787107356015	-	-	5	-	-	-	-	-	
		5F X 100CM (0.035")			-	H787107356025	-	-	5	-	H787117356025	-	-	5	
		5F X 150CM (0.038")			-	-	-	-	-	H787117092225	-	-	-	5	
		6F X 110CM (0.038")			H787107100185	-	-	-	5	-	-	-	-	-	

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
TIP IMAGE	NAME	CATHETER FRENCH LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	MPB	4F X 65CM (0.038")	3.5CM	0	-	-	H787107140395	-	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107140535	-	5	-	-	-	-	-
		5F X 65CM (0.038")			-	H787107349015	-	-	5	-	H787117349015	-	-	5
		5F X 80CM (0.038")			-	H787107100195	-	-	5	-	-	-	-	-
		4F X 65CM (0.035")	6.5CM	0	-	-	H787107351015	-	5	-	-	-	-	-
		5F X 65CM (0.035")			H787107350015	-	-	-	5	-	-	-	-	-
	NAVIGATE 1	5F X 65CM (0.035")	1.9CM	0	H787107100735	-	-	-	5	-	-	-	-	-
	NAVIGATE 2	5F X 65CM (0.035")	2.2CM	0	H787107100745	-	-	-	5	-	-	-	-	-
	NAVIGATE 3	5F X 65CM (0.035")	2.2CM	0	H787107100755	-	-	-	5	-	-	-	-	-
	NAVIGATE 4	5F X 65CM (0.035")	3CM	0	H787107100765	-	-	-	5	-	-	-	-	-
	NAVIGATE 5	5F X 65CM (0.035")	3.6CM	0	H787107100775	-	-	-	5	-	-	-	-	-
	NEWTON 1	4F X 100CM (0.035")	8CM	0	-	-	-	H787107084015	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107100205	-	5	-	-	-	-	-
		5F X 100CM (0.035")			H787107203015	H787107098015	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			H787107100215	-	-	-	5	-	-	-	-	-

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
					TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	NEWTON 2	4F X 100CM (0.035")	8.5CM	0	-	-	H787107191025	H787107084025	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107100225	-	5	-	-	-	-	-
		5F X 100CM (0.035")			H787107203025	H787107098025	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			-	H787107098055	-	-	5	-	-	-	-	-
	NEWTON 3	4F X 100CM (0.035")	8.5CM	0	-	-	H787107191035	H787107084035	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107100235	-	5	-	-	-	-	-
		5F X 100CM (0.035")			H787107203035	H787107098035	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			H787107203065	H787107098065	-	-	5	-	-	-	-	-
	NEWTON 5	4F X 100CM (0.035")	6CM	0	-	-	H787107191045	-	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107100245	-	5	-	-	-	-	-
		5F X 100CM (0.035")			H787107203075	-	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			-	H787107100255	-	-	5	-	-	-	-	-
	OMEGA	5F X 100CM (0.038")	2CM	0	H787107100915	H787107100905	-	-	5	H787117105135	H787117105125	-	-	5
		5F X 130CM (0.038")			-	H787107100925	-	-	5	-	H787117105145	-	-	5
	OSBORNE 1	4F X 100CM (0.035")	5CM	0	-	-	H787107329025	H787107345015	5	-	-	-	H787117345015	5
	OSBORNE 2	4F X 100CM (0.035")	5CM	0	-	-	H787107329015	-	5	-	-	H787117329015	-	5
		5F X 100CM (0.035")			H787107344015	-	-	-	5	H787117344015	-	-	-	5
	RC 1	4F X 65CM (0.035")	6CM	0	-	-	-	H787107330015	5	-	-	-	-	-
		5F X 65CM (0.035")			-	H787107331015	-	-	5	-	H787117331015	-	-	5
		5F X 65CM (0.038")			-	H787107100295	-	-	5	-	-	-	-	-
	RC 2	5F X 65CM (0.038")	9CM	0	-	H787107331025	-	-	5	-	H787117331025	-	-	5

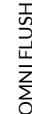
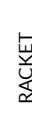
CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
					TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUEDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	RENAL	4F X 65CM (0.035")	7.5CM	0	-	-	H787107188015	H787107080015	5	-	-	H787117188015	H787117080015	5
		5F X 65CM (0.035")			H787107200015	H787107094015	-	-	5	H787117200015	-	-	-	5
		5F X 65CM (0.038")			H787107200025	H787107094025	-	-	5	H787117200025	-	-	-	5
	RIM	5F X 65CM (0.038")	3CM	0	H787107334015	-	-	-	5	H787117334015	-	-	-	5
		5F X 90CM (0.038")			-	H787107334015	-	-	5	-	-	-	-	-
		4F X 65CM (0.035")			-	H787107332015	-	-	5	-	-	-	H787117332015	5
		5F X 25CM (0.035")	5CM	0	-	H787107334035	-	-	5	-	-	-	-	-
		5F X 40CM (0.035")			-	H787107334025	-	-	5	-	-	-	-	-
		5F X 65CM (0.035")			-	H787107333015	-	-	5	-	H787117333015	-	-	5
		5F X 65CM (0.038")			-	-	-	-	-	-	-	-	-	-
		5F X 90CM (0.038")			-	-	-	-	-	-	-	-	-	-
		5F X 150CM (0.035")			-	-	-	-	-	-	H787117092245	-	-	5
	SHARP ANGLE	4F X 65CM (0.035")	3CM	0	-	-	-	H787107100875	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107100885	-	5	-	-	-	-	-
		4F X 130CM (0.038")			-	-	-	-	-	-	-	H787117105065	-	5
		5F X 65CM (0.035")			H787107100795	H787107100785	-	-	5	-	-	-	-	-
		5F X 65CM (0.038")			H787107100835	H787107100825	-	-	5	H787117105085	H787117105075	-	-	5
		5F X 100CM (0.035")			H787107100815	H787107100805	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			H787107100855	H787107100845	-	-	5	H787117105105	H787117105095	-	-	5
		5F X 130CM (0.038")			-	H787107100865	-	-	5	-	H787117105115	-	-	5
	SHEPHERD HOOK 1	4F X 65CM (0.035")	3.5CM	0	-	-	H787107186015	H787107078015	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	-	-	-	-	-	H787117186035	-	5
		5F X 65CM (0.035")			H787107198015	H787107092015	-	-	5	H787117198015	H787117092015	-	-	5
		5F X 65CM (0.038")			H787107198035	H787107092035	-	-	5	-	H787117092035	-	-	5
	SHEPHERD HOOK 2	4F X 65CM (0.035")	4CM	0	-	-	H787107186025	H787107078025	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	-	-	-	-	-	H787117186045	-	5
		5F X 65CM (0.035")			H787107198025	H787107092025	-	-	5	H787117198025	-	-	-	5
		5F X 65CM (0.038")			H787107198045	H787107092045	-	-	5	-	-	-	-	-
		5F X 80CM (0.038")			-	H787107100315	-	-	5	-	-	-	-	-

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	SIMMONS SIDEWINDER 1	4F X 65CM (0.035")	7.5CM	0	-	-	H787107184015	H787107076015	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	H787107196095	-	5	-	-	-	-	-
		4F X 100CM (0.035")			-	-	H787107184025	H787107076025	5	-	-	H787117184025	H787117076025	5
		5F X 65CM (0.035")			H787107196015	H787107090015	-	-	5	H787117196015	H787117090015	-	-	5
		5F X 65CM (0.038")			H787107196055	H787107090055	-	-	5	H787117196055	H787117090055	-	-	5
		5F X 100CM (0.035")			H787107196025	H787107090025	-	-	5	H787117196025	H787117090025	-	-	5
		5F X 100CM (0.038")			H787107196065	H787107090065	-	-	5	H787117196065	H787117090065	-	-	5
		5F X 130CM (0.035")			-	-	-	-	-	-	H787117090145	-	-	5
		5F X 150CM (0.035")			-	-	-	-	-	-	H787117092385	-	-	5
		6F X 65CM (0.035")			-	H787107104015	-	-	5	-	-	-	-	-
		6F X 100CM (0.035")			H787107208025	-	-	-	5	-	-	-	-	-
	SIMMONS SIDEWINDER 1ST	4F X 65CM (0.038")	2CM	0	-	-	H787107140305	-	5	-	-	H787117140305	-	5
		4F X 100CM (0.035")			-	-	-	H787107076055	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107140415	-	5	-	-	H787117140415	-	5
		4F X 130CM (0.035")			-	-	-	-	-	-	-	-	H787117090125	5
		5F X 65CM (0.038")			H787107100545	H787107100515	-	-	5	H787117092415	H787117092405	-	-	5
		5F X 100CM (0.035")			H787107100565	H787107100525	-	-	5	-	-	-	-	-
		5F X 100CM (0.038")			H787107100555	H787107090095	-	-	5	H787117092505	H787117090095	-	-	5
		5F X 150CM (0.038")			-	H787107100535	-	-	5	-	-	-	-	-
	SIMMONS SIDEWINDER 2	4F X 65CM (0.035")	11.5CM	0	-	-	-	H787107100575	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	H787107100595	-	5	-	-	-	-	-
		4F X 100CM (0.035")			-	-	H787107184035	H787107076035	5	-	-	H787117184035	H787117076035	5
		4F X 100CM (0.038")			-	-	H787107100605	-	5	-	-	-	-	-
		5F X 65CM (0.038")			H787107100625	H787107100615	-	-	5	-	-	-	-	-
		5F X 100CM (0.035")			H787107196035	H787107090035	-	-	5	H787117196035	H787117090035	-	-	5
		5F X 100CM (0.038")			H787107196075	H787107090075	-	-	5	H787117196075	H787117090075	-	-	5
		5F X 130CM (0.038")			-	-	-	-	-	-	H787117090155	-	-	5
		5F X 150CM (0.035")			-	-	-	-	-	-	H787117092435	-	-	5
		6F X 100CM (0.038")			-	H787107104075	-	-	5	-	-	-	-	-

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
TIP IMAGE	NAME	CATHETER FRENCH LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	SIMMONS SIDEWINDER 2ST	4F X 65CM (0.038")	3CM	0	-	-	H787107140315	-	5	-	-	H787117140315	-	5
		4F X 100CM (0.035")			-	-	-	H787107076065	5	-	-	-	-	-
		4F X 100CM (0.038")			-	-	H787107140425	-	5	-	-	H787117140425	-	5
		4F X 130CM (0.035")			-	-	-	-	-	-	-	-	H787117090135	5
		5F X 65CM (0.038")			-	H787107100635	-	-	5	-	H787117092425	-	-	-
		5F X 100CM (0.035")			-	H787107090115	-	-	5	-	H787117090115	-	-	5
		5F X 100CM (0.038")			-	H787107090105	-	-	5	-	H787117090105	-	-	5
		4F X 100CM (0.035")			-	-	H787107184045	H787107076045	5	-	-	-	-	5
	SIMMONS SIDEWINDER 3	5F X 100CM (0.035")	13CM	0	H787107196045	H787107090045	-	-	5	H787117196045	-	-	-	5
		5F X 100CM (0.038")			H787107196085	H787107090085	-	-	5	-	H787117090085	-	-	5
		5F X 100CM (0.038")			-	-	H787107358015	-	5	-	-	H787117358015	-	5
	SOS OMNI 0 MINI (TIGHT CURVE)	4F X 65CM (0.035")	3CM	0	-	-	H787107115025	-	5	-	-	H787117115015 H787117115025	-	5
		4F X 65CM (0.035")	3.5CM		-	-	H787107358015	-	5	-	-	H787117358015	-	5
	SOS OMNI 0 JUNIOR	4F X 65CM (0.035")	3CM	0	-	-	H787107115015	-	5	-	-	-	-	-
	SOS OMNI 0	4F X 65CM (0.035")	4.5CM	0	-	-	-	H787107100325	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	H787107100335	-	5	-	-	H787117092255	-	5
		4F X 80CM (0.035")			-	-	-	H787107114045	5	-	-	-	H787117114045	5
		4F X 80CM (0.038")			-	-	H787107140235	-	5	-	-	H787117140235	-	5
		5F X 65CM (0.038")			H787107100355	H787107100345	-	-	5	-	H787117092265	-	-	5
		5F X 80CM (0.035")			H787107204075	H787107120045	-	-	5	H787117204075	H787117120045	-	-	5
		5F X 80CM (0.038")			H787107204085	H787107120085	-	-	5	H787117204085	H787117120085	-	-	5
		4F X 65CM (0.038")			-	-	H787107100365	-	5	-	-	H787117092275	-	5
	SOS OMNI 1	4F X 80CM (0.035")	5CM	0	-	-	-	H787107114015	5	-	-	-	H787117114015	5
		4F X 80CM (0.038")			-	-	H787107140245	-	5	-	-	H787117140245	-	5
		5F X 65CM (0.038")			H787107100385	H787107100375	-	-	5	-	H787117092285	-	-	5
		5F X 80CM (0.035")			H787107204025	H787107120015	-	-	5	H787117204025	H787117120015	-	-	5
		5F X 80CM (0.038")			H787107204015	H787107120055	-	-	5	H787117204015	H787117120055	-	-	5
		5F X 80CM (0.035")			H787107320025	-	-	-	5	H787117320025	-	-	-	5

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
TIP IMAGE	NAME	CATHETER FRENCH LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	SOS OMNI 2	4F X 65CM (0.035")	4.5CM	0	-	-	-	H787107100395	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	H787107100405	-	5	-	-	H787117140545	-	5
		4F X 80CM (0.035")			-	-	-	H787107114025	5	-	-	-	H787117114025	5
		4F X 80CM (0.038")			-	-	H787107140255	-	5	-	-	H787117140255	-	5
		5F X 65CM (0.038")			-	H787107100415	-	-	5	H787117092305	H787117092295	-	-	5
		5F X 80CM (0.035")			H787107204035	H787107120025	-	-	5	H787117204035	H787117120025	-	-	5
		5F X 80CM (0.038")			H787107204055	H787107120065	-	-	5	H787117204055	H787117120065	-	-	5
		5F X 80CM (0.035")		2	H787107320015	-	-	-	5	H787117320015	-	-	-	5
		4F X 80CM (0.035")			4	-	-	H787107114055	5	-	-	-	H787117114055	5
	SOS OMNI 3	4F X 65CM (0.038")	5CM	0	-	-	H787107100425	-	5	-	-	H787117092315	-	5
		4F X 80CM (0.035")			-	-	-	H787107114035	5	-	-	-	H787117114035	5
		4F X 80CM (0.038")			-	-	H787107140265	-	5	-	-	H787117140265	-	5
		5F X 65CM (0.038")			-	H787107100435	-	-	5	H787117092325	-	-	-	5
		5F X 80CM (0.035")			H787107204045	H787107120035	-	-	5	H787117204045	H787117120035	-	-	5
		5F X 80CM (0.038")			H787107204065	H787107120075	-	-	5	H787117204065	H787117120075	-	-	5
	STRAIGHT ART	4F X 40CM (0.035")	1CM	0	-	-	H787107100465	-	5	-	-	-	-	-
		4F X 65CM (0.035")			-	-	H787107314015	-	5	-	-	H787117314015	-	5
		4F X 90CM (0.035")			-	-	H787107314035	-	5	-	-	H787117314035	-	5
		4F X 150CM (0.035")			-	-	-	-	-	-	-	-	H787117092335	5
		4F X 150CM (0.038")			-	-	-	-	-	-	-	H787117315075	-	5
		5F X 25CM (0.035")			H787107315095	-	-	-	5	-	-	-	-	-
		5F X 40CM (0.035")			H787107315105	-	-	-	5	-	-	-	-	-
		5F X 40CM (0.038")			H787107100495	-	-	-	5	-	-	-	-	-
		5F X 65CM (0.035")			H787107315025	-	-	-	5	H787117315025	-	-	-	5
		5F X 65CM (0.038")			-	-	-	-	-	H787117092345	H787117092375	-	-	5
		5F X 110CM (0.035")			-	H787107100485	-	-	5	-	-	-	-	-
		5F X 110CM (0.038")			-	-	-	-	-	H787117315085	-	-	-	5
		5F X 130CM (0.038")			-	-	-	-	-	H787117315055	H787117315065	-	-	5

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SOFT TIP LENGTH (CM) +/- 1MM	# OF SIDE HOLES	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
					NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED		NON-BRAIDED	BRAIDED	NON-BRAIDED	BRAIDED	
	<b>STRAIGHT ART</b>	4F X 40CM (0.038")	1.5CM	0	-	-	H787107100475	-	5	-	-	-	-	-
		4F X 65CM (0.035")			-	-	H787107314025	-	5	-	-	H787117314025	-	-
		4F X 65CM (0.038")			-	-	H787107140155	-	5	-	-	H787117140155	-	5
		4F X 100CM (0.038")			-	-	H787107140225	-	5	-	-	H787117140225	-	5
		4F X 130CM (0.035")			-	-		H787107315035	5	-	-	H787117315045	H787117315035	5
		5F X 130CM (0.038")	2CM	2	-	-	-	-	-	H787117315055	H787117315065	-	-	5
		5F X 65CM (0.038")			H787107100505	-	-	-	5	-	-	-	-	-
		5F X 90CM (0.038")			H787107315015	-	-	-	5	H787117315015	-	-	-	5
		5F X 150CM (0.035")			-	-	-	-	-	H787117092355	-	-	-	5
		5F X 150CM (0.038")			-	-	-	-	-	H787117092365	-	-	-	5
		6F X 100CM (0.038")	10CM	0	-	-	H787107316025	-	5	-	-	-	-	-
		6F X 110CM (0.038")			-	-	H787107316015	-	5	-	-	-	-	-
		4F X 65CM (0.038")			-	-	H787107100665	-	5	-	-	H787117092465	-	5
		4F X 130CM (0.035")			-	-		H787107100655	5	-	-	-	-	-
		4F X 150CM (0.038")	5.5CM	2	-	-	-	-	-	-	-	H787117092455	-	5
		5F X 65CM (0.038")			H787107100705	H787107100675	-	-	5	H787117092495	H787117092475	-	-	5
		5F X 130CM (0.035")			-	H787107100695	-	-	5	-	-	-	-	-
		5F X 130CM (0.038")			-	H787107100685	-	-	5	-	-	-	-	-
		5F X 150CM (0.038")			-	-	-	-	-	H787117092485	-	-	-	5
		4F X 100CM (0.035")			-	-	H787107181015	H787107073015	5	-	-	H787117181015	H787117073015	5
		4F X 100CM (0.038")			-	-	H787107140455	-	5	-	-	H787117140455	-	5
		4F X 130CM (0.035")			-	-		-	-	-	-	H787117087045	-	5
	<b>WEINBERG</b>	5F X 100CM (0.035")	4CM	0	H787107336015	H787107335025	-	-	5	H787117336015	-	-	-	5
		5F X 100CM (0.038")			-	H787107335015	-	-	5	-	-	-	-	-

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>				MARINER HYDROPHILIC CATHETER <sup>1,2</sup>			
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUIDEWIRE ACCEPT (O.D.)	# OF SIDE HOLES	SOFT TIP LENGTH (CM) +/- 1MM	TAPERED TIP		NON-TAPERED TIP	BOX QTY	TAPERED TIP	NON-TAPERED TIP	BOX QTY	
					NON-BRAIDED	BRAIDED	NON-BRAIDED		NON-BRAIDED	NON-BRAIDED		
	 OMNI FLUSH	4F X 65CM (0.035")	6	3.4CM	-	-	H787107323045	10	-	-	-	
		4F X 65CM (0.035")		3.4CM	-	-	H787107323015	10	-	H787117323015	10	
		4F X 65CM (0.038")			-	-	H787107140015	10	-	H787117140015	10	
		4F X 90CM (0.035")			-	-	H787107323025	10	-	H787117323025	10	
		4F X 90CM (0.038")			-	-	H787107140045	10	-	H787117140045	10	
		4F X 100CM (0.038")			-	-	H787107140075	10	-	-	-	
		4F X 110CM (0.035")			-	-	H787107323035	10	-	H787117323035	10	
		5F X 65CM (0.035")			H787107322015	-	-	10	-	H787117322015	10	
		5F X 65CM (0.038")			H787107322035	-	-	10	H787117322035	-	10	
		5F X 90CM (0.035")			H787107322025	-	-	10	H787117322025	-	10	
		5F X 90CM (0.038")			H787107322045	-	-	10	H787117322045	-	10	
		5F X 100CM (0.038")			H787107322055	-	-	10	H787117322055	-	10	
		6F X 65CM (0.038")			H787107100265	-	-	10	-	-	-	
	 RACKET	4F X 65CM (0.035")	10	4.7CM	-	-	H787107081015	10	-	-	-	
		4F X 90CM (0.035")			-	-	H787107081025	10	-	-	-	
		5F X 65CM (0.035")			H787107095015	-	-	10	-	-	-	
		5F X 65CM (0.038")			H787107095045	-	-	10	-	-	-	
		5F X 90CM (0.035")			H787107095025	-	-	10	H787117095025	-	10	
		5F X 90CM (0.038")			H787107095055	-	-	10	-	-	-	
		5F X 100CM (0.035")			H787107095035	-	-	10	-	-	-	
		5F X 100CM (0.038")			H787107095065	-	-	10	-	-	-	

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>				MARINER HYDROPHILIC CATHETER <sup>1,2</sup>			
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUIDEWIRE ACCEPT (O.D.)	# OF SIDE HOLES	SOFT TIP LENGTH (CM) +/- 1MM	TAPERED TIP		NON-TAPERED TIP	BOX QTY	TAPERED TIP	NON-TAPERED TIP	BOX QTY	
					NON-BRAIDED	BRAIDED	NON-BRAIDED		NON-BRAIDED	NON-BRAIDED		
	90° PIGTAIL	6F x 100CM (0.038")	10	7.5CM	-	H787507226315	-	5	-	-	-	
	4F X 65CM (0.035")	PIGTAIL	10	4.6CM	-	-	H787107071015	10	-	H787117071015	10	
	4F X 65CM (0.038")				-	-	H787107140025	10	-	-	-	
	4F X 90CM (0.035")				-	-	H787107071025	10	-	H787117071025	10	
	4F X 90CM (0.038")				-	-	H787107140055	10	-	H787117140055	10	
	4F X 100CM (0.035")				-	-	H787107071035	10	-	H787117071035	10	
	4F X 110CM (0.035")				-	-	H787107071045	10	-	H787117071045	10	
	4F X 110CM (0.038")				-	-	H787107140085	10	-	H787117140085	10	
	5F X 65CM (0.035")	PIGTAIL	10	5CM	H787107085015	-	-	10	H787117085015	-	10	
	5F X 65CM (0.038")				H787107085045	-	-	10	H787117085045	-	10	
	5F X 90CM (0.035")				H787107085025	-	-	10	H787117085025	-	10	
	5F X 90CM (0.038")				H787107085055	-	-	10	H787117085055	-	10	
	5F X 110CM (0.035")				H787107085035	-	-	10	H787117085035	-	10	
	5F X 110CM (0.038")				H787107085065	-	-	10	H787117085065	-	10	
	5F X 130CM (0.038")				H787107085075	-	-	10	-	-	-	
	5F X 150CM (0.035")				-	-	-	-	H787117092235	-	10	
	6F X 65CM (0.038")				H787107100275	-	-	10	-	-	-	
	6F X 110CM (0.035")				H787107099035	-	-	10	-	-	-	
	6F x 110CM (0.038")				H787107099065	-	-	10	-	-	-	

CATHETER DESCRIPTION					SOFT-VU ANGIOGRAPHIC CATHETER <sup>1,2</sup>					MARINER HYDROPHILIC CATHETER <sup>1,2</sup>				
TIP IMAGE	NAME	CATHETER FRENCH, LENGTH AND GUIDEWIRE ACCEPT (O.D.)	# OF SIDE HOLES	SOFT TIP LENGTH (CM) +/- 1MM	TAPERED TIP		NON-TAPERED TIP		BOX QTY	TAPERED TIP		NON-TAPERED TIP		BOX QTY
					NON-BRAIDED	BRAIDED	NON-BRAIDED	NON-BRAIDED		NON-BRAIDED	NON-BRAIDED	NON-BRAIDED	NON-BRAIDED	
	<b>STRAIGHT FLUSH</b>	4F X 65CM (0.035")	6	1CM	-	-	H787107072015	10	-	H787117072015	-	10		
		4F X 65CM (0.038")			-	-	H787107140035	10	-	H787117140035	-	10		
		4F X 90CM (0.035")			-	-	H787107072025	10	-	H787117072025	-	10		
		4F X 90CM (0.038")			-	-	H787107140065	10	-	H787117140065	-	10		
		4F X 120CM (0.035")			-	-	H787107100445	10	-	-	-	-	-	
		5F X 65CM (0.035")		1.5CM	H787107086015	-	-	10	H787117086015	-	10			
		5F X 65CM (0.038")			H787107086035	-	-	10	H787117086035	-	10			
		5F X 90CM (0.035")			H787107086025	-	-	10	H787117086025	-	10			
		5F X 90CM (0.038")			H787107086045	-	-	10	H787117086045	-	10			
		5F X 120CM (0.035")			H787107100455	-	-	10	-	-	-	-	-	
		6F X 65CM (0.035")			H787107100015	-	-	10	-	-	-	-	-	
		6F X 65CM (0.038")			H787107100035	-	-	10	-	-	-	-	-	
		6F X 90CM (0.035")			H787107100025	-	-	10	-	-	-	-	-	
		6F X 90CM (0.038")			H787107100045	-	-	10	-	-	-	-	-	

#### FOOTNOTES:

<sup>1</sup>Not all products may be available for sale in your market. Please consult with your local AngioDynamics Partner for product availability and additional product information.

<sup>2</sup>Low volume configurations may be built to order and require a greater lead time.

#### INDICATIONS FOR USE:

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CATHETER DESCRIPTION <sup>1,2,3</sup>							ACCU-VU SIZING CATHETER					
TIP IMAGE	NAME	# OF SIDE HOLES	CATHETER LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SEGMENT SIZING CATHETER <sup>4,5,6,7</sup>	QTY OF MARKER BANDS	MARKER BAND SPACING INCREMENTS	4F		5F		PRESSURE LIMIT (PSI/kPa)	BOX QTY
							NON-BRAIDED	MAXIMUM FLOW RATE <sup>3</sup> (mL/sec)	NON-BRAIDED	MAXIMUM FLOW RATE <sup>3</sup> (mL/sec)		
	OMNIFLUSH	6	70CM (0.035")	2CM	2	2CM	H787137090055	20	H787137090015	26	1050/7239	10
			70CM (0.038")				-	-	H787137090025	26	1050/7239	10
			100CM (0.035")				H787137090065	16	H787137090035	22	1050/7239	10
			100CM (0.038")				-	-	H787137090045	22	1050/7239	10
			70CM (0.035")	20CM	21	1CM	H787137097045	20	H787137097015	26	1050/7239	5
			70CM (0.038")				-	-	H787137097025	26	1050/7239	5
			100CM (0.035")				H787137097055	16	H787137097035	22	1050/7239	5
			70CM (0.035")	25CM	10	6 / 1CM 4 / 5CM	H787137094055	20	H787137094015	26	1050/7239	5
			70CM (0.038")				-	-	H787137094025	26	1050/7239	5
			100CM (0.035")				-	-	H787137094035	22	1050/7239	5
			100CM (0.038")				-	-	H787137094045	22	1050/7239	5
	PIGTAIL	10	70CM (0.035")	2CM	2	2CM	H787137091055	20	H787137091015	26	1050/7239	10
			70CM (0.038")				-	-	H787137091025	26	1050/7239	10
			100CM (0.035")				H787137091065	16	H787137091035	22	1050/7239	10
			100CM (0.038")				-	-	H787137091045	22	1050/7239	10
			70CM (0.035")	20CM	21	1CM	H787137098045	26	H787137098015	26	1050/7239	5
			70CM (0.038")				-	-	H787137098025	26	1050/7239	5
			100CM (0.035")				H787137098055	16	H787137098035	22	1050/7239	5
			70CM (0.035")	25CM	10	6 / 1CM 4 / 5CM	-	-	H787137095015	26	1050/7239	5
			70CM (0.038")				-	-	H787137095025	26	1050/7239	5
			100CM (0.035")				H787137095065	16	H787137095035	22	1050/7239	5
			100CM (0.038")				-	-	H787137095045	22	1050/7239	5
			70CM (0.035")	28MM	2	28MM	H787137093035	20	H787137093015	26	1050/7239	10
			90CM (0.035")				H787137093045	18	H787137093025	24	1050/7239	10

CATHETER DESCRIPTION <sup>1,2,3</sup>							ACCU-VU SIZING CATHETER					
TIP IMAGE	NAME	# OF SIDE HOLES	CATHETER LENGTH AND GUIDEWIRE ACCEPT (O.D.)	SEGMENT SIZING CATHETER <sup>4,5,6,7</sup>	QTY OF MARKER BANDS	MARKER BAND SPACING INCREMENTS	4F		5F		PRESSURE LIMIT (PSI/kPa)	BOX QTY
							NON-BRAIDED	MAXIMUM FLOW RATE <sup>3</sup> (mL/sec)	NON-BRAIDED	MAXIMUM FLOW RATE <sup>3</sup> (mL/sec)		
	STRAIGHT FLUSH	6	70CM (0.035")	2CM	2	2CM	H787137092035	20	H787137092015	26	1050/7239	10
			100CM (0.035")				H787137092045	16	H787137092025	22	1050/7239	10
			70CM (0.035")	20CM	21	1CM	H787137099025	20	H787137099015	26	1050/7239	10
			100CM (0.035")				-	-	H787137099205	22	1050/7239	10
			70CM (0.035")	25CM	10	6 / 1CM 4 / 5CM	-	-	H787137096015	26	1050/7239	10
			100CM (0.035")				H787137096045	16	H787137096025	22	1050/7239	10

#### FOOTNOTES:

<sup>1</sup>Not all products may be available for sale in your market. Please consult with your local AngioDynamics Partner for product availability and additional product information.

<sup>2</sup>Low volume configurations may be built to order and require a greater lead time.

<sup>3</sup>Flow rate in mL/sec at 1050psi. 50%/50% solution of 37C glycerin and water (simulated contrast).

<sup>4</sup>2CM Segment Sizing Catheter: 2 platinum bands are spaced 2cm apart, measured from inside band edge to inside band edge.

<sup>5</sup>20CM Segment Sizing Catheter: 21 platinum bands are spaced 1cm apart, measured from inside band edge to outside band edge.

<sup>6</sup>25CM Segment Sizing Catheter: 6 platinum bands are spaced 1cm apart and 4 platinum bands spaced in 5cm increments, measured from inside band edge to inside band edge.

<sup>7</sup>28MM Segment Sizing Catheter: 2 platinum bands are spaced 28mm apart, measured from inside band edge to inside band edge.

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#### FOOTNOTES:

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<sup>2</sup> Data on File

<sup>3</sup> Endovascular Today: Tips and Tricks of RAS for High-Risk Patients By Thomas A. Sos, MD and David W. Trost, MD

<sup>4</sup> John Streitman, MD Cardiovascular – Thoracic Surgeon, HCA Healthcare

#### INDICATIONS FOR USE:

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Contraindications: None known.

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