



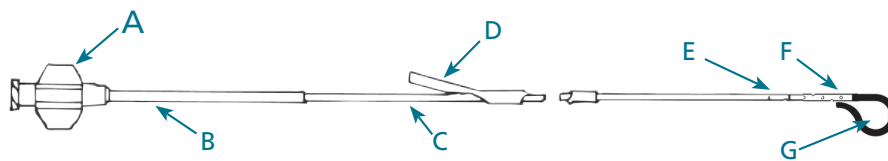
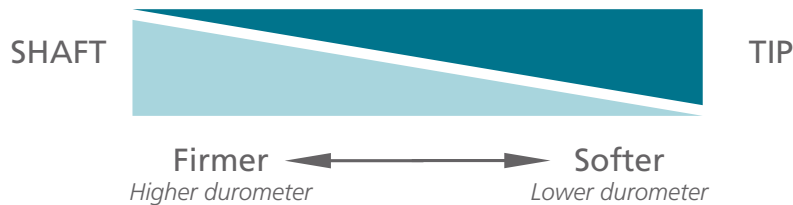
Angiographic  
Catheters



# Advanced Engineering for Superior Performance

## FEATURES & BENEFITS

- Soft, atraumatic tip to minimize trauma and damage to the patient's vasculature.
- Tapered tip allows for excellent trackability over the guidewire.
- Super radiopaque tungsten tip for easy visualization under fluoroscopy.
- Self-Dilating Tip dilates the tract, allowing for an easy, smooth insertion.
- Proprietary tip-to-shaft weld process ensures catheter tip durability.
- Co-extruded nylon shaft for dependable pushability and torquability.
- Comprehensive catheter portfolio:
  - 4F, 5F and 6F
  - .035" and .038" inner diameters
  - 25 - 140cm lengths
  - Selective and Flush catheters
  - Non-braided or braided shaft



## THE ABCs OF SOFT-VU

- A - Funneled hub
- B - Strain relief
- C - Co-extruded nylon shaft
- D - Shape straightener
- E - Side holes
- F - Unique tip-to-shaft welding process
- G - Soft, atraumatic tip; radiopaque, self-dilating



## FLUSH CATHETERS

Soft Radiopaque Tip

10 per Box

### Symbol Guide:

- <sup>1</sup> 1 cm tip
- <sup>11</sup> 1.5 cm tip
- <sup>12</sup> 2 cm tip
- <sup>13</sup> 3 cm tip
- 3.5 cm tip
- 4 cm tip
- 4.5 cm tip
- <sup>5</sup> 5 cm tip
- <sup>6</sup> 6 cm tip
- <sup>6.5</sup> 6.5 cm tip
- <sup>8.5</sup> 8.5 cm tip
- <sup>10</sup> 10 cm tip
- ° 2 side holes
- °° 4 side holes
- °°° 6 side holes
- °°°° 8 side holes
- °°°°° 10 side holes
- Tapered tip
- Straight tip
- Mini



**Omni\* Flush**<sup>°°°</sup>

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107323015 H787107323045 ••	N/A
4F / 65 cm / .038"	H787107140015	N/A
4F / 90 cm / .035"	H787107323025	N/A
4F / 90 cm / .038"	H787107140045	N/A
4F / 100 cm / .038"	H787107140075	N/A
4F / 110 cm / .035"	H787107323035	N/A
5F / 65 cm / .035"	H787107322015	N/A
5F / 65 cm / .038"	H787107322035	N/A
5F / 90 cm / .035"	H787107322025	N/A
5F / 90 cm / .038"	H787107322045	N/A
5F / 100 cm / .038"	H787107322055	N/A
6F / 65 cm / .038"	H787107100265	N/A



**Pigtail**<sup>°</sup>

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107071015	N/A
4F / 65 cm / .038"	H787107140025	N/A
4F / 90 cm / .035"	H787107071025	N/A
4F / 90 cm / .038"	H787107140055	N/A
4F / 100 cm / .035"	H787107071035	N/A
4F / 110 cm / .035"	H787107071045	N/A
4F / 110 cm / .038"	H787107140085	N/A
5F / 65 cm / .035"	H787107085015	N/A
5F / 65 cm / .038"	H787107085045	N/A
5F / 90 cm / .035"	H787107085025	N/A
5F / 90 cm / .038"	H787107085055	N/A
5F / 110 cm / .035"	H787107085035	N/A
5F / 110 cm / .038"	H787107085065	N/A
5F / 130 cm / .038"	H787107085075	N/A
6F / 65 cm / .038"	H787107100275	N/A
6F / 110 cm / .035"	H787107099035	N/A
6F / 110 cm / .038"	H787107099065	N/A



**NEW** **90° Pigtail**<sup>°</sup>  
7.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
6F / 100 cm / .038"	N/A	H787507226315



**Racket**<sup>°°°</sup>

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107081015	N/A
4F / 90 cm / .035"	H787107081025	N/A
5F / 65 cm / .035"	H787107095015	N/A
5F / 65 cm / .038"	H787107095045	N/A
5F / 90 cm / .035"	H787107095025	N/A
5F / 90 cm / .038"	H787107095055	N/A
5F / 100 cm / .035"	H787107095035	N/A
5F / 100 cm / .038"	H787107095065	N/A

## FLUSH CATHETERS

Soft Radiopaque Tip

10 per Box



**Straight Flush**  
1.5 cm soft tip

Symbol Guide:

- <sup>1</sup> 1 cm tip
- <sup>1.5</sup> 1.5 cm tip
- <sup>2</sup> 2 cm tip
- <sup>3</sup> 3 cm tip
- 3.5 cm tip
- 4 cm tip
- 4.5 cm tip
- <sup>5</sup> 5 cm tip
- <sup>6</sup> 6 cm tip
- <sup>6.5</sup> 6.5 cm tip
- <sup>8.5</sup> 8.5 cm tip
- <sup>10</sup> 10 cm tip
  
- 2 side holes
- 4 side holes
- 6 side holes
- 8 side holes
- 10 side holes
  
- Tapered tip
- Straight tip
- Mini

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107072015 <sup>1</sup>	N/A
4F / 65 cm / .038"	H787107140035 <sup>1</sup>	N/A
4F / 90 cm / .035"	H787107072025 <sup>1</sup>	N/A
4F / 90 cm / .038"	H787107140065 <sup>1</sup>	N/A
4F / 120 cm / .035"	H787107100445 <sup>1</sup>	N/A
5F / 65 cm / .035"	H787107086015	N/A
5F / 65 cm / .038"	H787107086035	N/A
5F / 90 cm / .035"	H787107086025	N/A
5F / 90 cm / .038"	H787107086045	N/A
5F / 120 cm / .035"	H787107100455	N/A
6F / 65 cm / .035"	H787107100015	N/A
6F / 65 cm / .038"	H787107100035	N/A
6F / 90 cm / .035"	H787107100025	N/A
6F / 90 cm / .038"	H787107100045	N/A

## CEREBRAL SELECTIVE CATHETERS

Soft Radiopaque Tip

5 per Box



**Bentson 1**  
7.2 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107100065	N/A
4F / 100 cm / .035"	H787107190015	H787107083015
4F / 100 cm / .038"	H787107100075	N/A
5F / 65 cm / .038"	H787107100085	N/A
5F / 100 cm / .035"	H787107202015	H787107097015
5F / 100 cm / .038"	H787107202045	H787107097045



**Bentson 2**  
8.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	H787107190025	H787107083025
5F / 100 cm / .035"	H787107202025	H787107097025
5F / 100 cm / .038"	H787107202055	H787107097055



**Bentson 3**  
8.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	H787107190035	H787107083035
4F / 100 cm / .038"	H787107100095	N/A
5F / 100 cm / .035"	H787107202035	H787107097035
5F / 100 cm / .038"	N/A	H787107097065



**Cherne**  
8 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 69 cm / .035"	N/A	H787107352015

## CEREBRAL SELECTIVE CATHETERS

Soft Radiopaque Tip  
5 per Box



**Head Hunter 1**  
8 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107140275	N/A
4F / 100 cm / .035"	H787107183015	H787107075015
4F / 100 cm / .038"	H787107140405	N/A
4F / 130 cm / .035"	N/A	H787107089065
5F / 65 cm / .038"	N/A	H787107089055
5F / 100 cm / .035"	H787107195015	H787107089015
5F / 100 cm / .038"	H787107195035	H787107089035
5F / 140 cm / .038"	H787107195055	N/A
6F / 100 cm / .035"	H787107207015	N/A



**Head Hunter 3**  
12 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	H787107183025	H787107075025
4F / 100 cm / .038"	H787107100115	N/A
5F / 100 cm / .035"	H787107195025	H787107089025
5F / 100 cm / .038"	H787107195045	H787107089045



**JB 1**  
3 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	N/A	H787107340015
4F / 65 cm / .038"	H787107140355	N/A
4F / 100 cm / .035"	N/A	H787107340025
4F / 100 cm / .038"	H787107140495	N/A
5F / 65 cm / .038"	N/A	H787107341015
5F / 100 cm / .035"	H787107342015	H787107341035
5F / 100 cm / .038"	N/A	H787107341025
5F / 130 cm / .038"	H787107342085	N/A



**JB 2**  
3 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107140365	N/A
4F / 100 cm / .038"	H787107140505	N/A
5F / 100 cm / .035"	H787107342025 <sup>†</sup> H787107342045 H787107342055 <sup>Δ</sup>	N/A
5F / 110 cm / .035"	H787107342035 <sup>†</sup>	N/A
5F / 130 cm / .038"	H787107342075 <sup>Δ</sup>	N/A



**JB 3**  
3 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .038"	H787107140515	N/A
5F / 100 cm / .035"	H787107342065**	N/A



**Kerber**  
5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	N/A	H787107346015
5F / 100 cm / .035"	H787107348015	N/A
5F / 100 cm / .038"	N/A	H787107347015 <sup>ΔΔ</sup>

## CEREBRAL SELECTIVE CATHETERS

Soft Radiopaque Tip

5 per Box

Symbol Guide:

- <sup>1</sup> 1 cm tip
- <sup>1.5</sup> 1.5 cm tip
- <sup>2</sup> 2 cm tip
- <sup>3</sup> 3 cm tip
- <sup>3.5</sup> 3.5 cm tip
- <sup>4</sup> 4 cm tip
- <sup>4.5</sup> 4.5 cm tip
- <sup>5</sup> 5 cm tip
- <sup>6</sup> 6 cm tip
- <sup>6.5</sup> 6.5 cm tip
- <sup>8.5</sup> 8.5 cm tip
- <sup>10</sup> 10 cm tip

- ° 2 side holes
- °° 4 side holes
- °°° 6 side holes
- °°°° 8 side holes
- °°°°° 10 side holes

- Tapered tip
- Straight tip
- Mini



**Mani**  
7.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107140295	N/A
4F / 100 cm / .035"	H787107182015	H787107074015
4F / 100 cm / .038"	H787107140445	N/A
5F / 100 cm / .035"	H787107194015	H787107088015
5F / 100 cm / .038"	H787107194025	H787107088025



**Newton 1**  
8 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	N/A	H787107084015
4F / 100 cm / .038"	H787107100205	N/A
5F / 100 cm / .035"	H787107203015	H787107098015
5F / 100 cm / .038"	H787107100215	N/A



**Newton 2**  
8.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	H787107191025	H787107084025
4F / 100 cm / .038"	H787107100225	N/A
5F / 100 cm / .035"	H787107203025	H787107098025
5F / 100 cm / .038"	N/A	H787107098055



**Newton 3**  
8.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	H787107191035	H787107084035
4F / 100 cm / .038"	H787107100235	N/A
5F / 100 cm / .035"	H787107203035	H787107098035
5F / 100 cm / .038"	H787107203065	H787107098065



**Newton 5**  
8 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	H787107191045 <sup>°°</sup>	N/A
4F / 100 cm / .038"	H787107100245 <sup>°°</sup>	N/A
5F / 100 cm / .035"	H787107203075	N/A
5F / 100 cm / .038"	N/A	H787107100255



**NEW OMEGA\***  
2 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 100 cm / .038"	H787107100915	H787107100905
5F / 130 cm / .038"	N/A	H787107100925

**CEREBRAL  
SELECTIVE  
CATHETERS**

Soft Radiopaque Tip  
5 per Box



**Osborne 1**  
5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	H787107329025	H787107345015



**Osborne 2**  
5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	H787107329015	N/A
5F / 100 cm / .035"	H787107344015	N/A



**Sidewinder 1**  
7.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107184015	H787107076015
4F / 65 cm / .038"	H787107196095	N/A
4F / 100 cm / .035"	H787107184025	H787107076025
5F / 65 cm / .035"	H787107196015	H787107090015
5F / 65 cm / .038"	H787107196055	H787107090055
5F / 100 cm / .035"	H787107196025	H787107090025
5F / 100 cm / .038"	H787107196065	H787107090065
6F / 65 cm / .035"	N/A	H787107104015
6F / 100 cm / .035"	H787107208025	N/A



**Sidewinder 2**  
11.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	N/A	H787107100575
4F / 65 cm / .038"	H787107100595	N/A
4F / 100 cm / .035"	H787107184035	H787107076035
4F / 100 cm / .038"	H787107100605	N/A
5F / 65 cm / .038"	H787107100625	H787107100615
5F / 100 cm / .035"	H787107196035	H787107090035
5F / 100 cm / .038"	H787107196075	H787107090075
6F / 100 cm / .038"	N/A	H787107104075



**Sidewinder 3**  
13 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 100 cm / .035"	H787107184045	H787107076045
5F / 100 cm / .035"	H787107196045	H787107090045
5F / 100 cm / .038"	H787107196085	H787107090085



**Sidewinder ST 1**  
2 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107140305	N/A
4F / 100 cm / .035"	N/A	H787107076055
4F / 100 cm / .038"	H787107140415	N/A
5F / 65 cm / .038"	H787107100545	H787107100515
5F / 100 cm / .035"	H787107100565	H787107100525
5F / 100 cm / .038"	H787107100555	H787107090095
5F / 130 cm / .038"	N/A	H787107100535

## CEREBRAL SELECTIVE CATHETERS

Soft Radiopaque Tip

5 per Box

Symbol Guide:

- <sup>1</sup> 1 cm tip
- <sup>11</sup> 1.5 cm tip
- <sup>12</sup> 2 cm tip
- <sup>13</sup> 3 cm tip
- 3.5 cm tip
- 4 cm tip
- 4.5 cm tip
- <sup>5</sup> 5 cm tip
- <sup>6</sup> 6 cm tip
- <sup>6.5</sup> 6.5 cm tip
- <sup>8.5</sup> 8.5 cm tip
- <sup>10</sup> 10 cm tip
  
- ° 2 side holes
- °° 4 side holes
- °°° 6 side holes
- °°°° 8 side holes
- °°°°° 10 side holes

- Tapered tip
- Straight tip
- Mini



**Sidewinder ST 2**  
3 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107140315	N/A
4F / 100 cm / .035"	N/A	H787107076065
4F / 100 cm / .038"	H787107140425	N/A
5F / 65 cm / .038"	N/A	H787107100635
5F / 100 cm / .035"	N/A	H787107090115
5F / 100 cm / .038"	N/A	H787107090105



**Straight Art**  
1 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 40 cm / .035"	H787107100465	N/A
4F / 40 cm / .038"	H787107100475 <sup>11</sup>	N/A
4F / 65 cm / .035"	H787107314015	N/A
	H787107314025 <sup>11</sup>	N/A
4F / 65 cm / .038"	H787107140155 <sup>11</sup>	N/A
4F / 90 cm / .035"	H787107314035	N/A
4F / 100 cm / .038"	H787107140225 <sup>11</sup>	N/A
4F / 130 cm / .035"	N/A	H787107315035 <sup>11</sup>
5F / 40 cm / .038"	H787107100495	N/A
5F / 65 cm / .038"	H787107100505 <sup>1</sup>	N/A
5F / 110 cm / .035"	N/A	H787107100485
6F / 100 cm / .038"	H787107316025 <sup>11</sup>	N/A
6F / 110 cm / .038"	H787107316015 <sup>11</sup>	N/A



**Straight Art**  
1 cm soft tip •

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 25 cm / .035"	H787107315095	N/A
5F / 40 cm / .035"	H787107315105	N/A
5F / 65 cm / .035"	H787107315025	N/A
5F / 90 cm / .038"	H787107315015 <sup>1</sup>	N/A



**VISCERAL  
SELECTIVE  
CATHETERS**

Soft Radiopaque Tip

5 per Box



**Cobra 1**  
2 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107185015	H787107077015 H787107077075°
4F / 65 cm / .038"	H787107140105	N/A
4F / 90 cm / .035"	H787107185045	H787107077045
4F / 100 cm / .038"	H787107140175	N/A
5F / 65 cm / .035"	H787107197015	H787107091015
5F / 65 cm / .038"	H787107197075 H787107318015°	H787107091075
5F / 90 cm / .035"	H787107197045	H787107091045
5F / 90 cm / .038"	H787107197105	H787107091105
6F / 90 cm / .038"	N/A	H787107105105



**Cobra 2**  
2 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107185025	H787107077085°
4F / 65 cm / .035"	N/A	H787107077025
4F / 65 cm / .038"	H787107140115	N/A
4F / 90 cm / .035"	H787107185055	H787107077055
4F / 100 cm / .038"	H787107140185	N/A
5F / 65 cm / .035"	H787107197025	H787107091025
5F / 65 cm / .035"	H787107318055°	N/A
5F / 65 cm / .038"	H787107197085	H787107091085
5F / 65 cm / .038"	H787107318025°	N/A
5F / 80 cm / .038"	N/A	H787107091135
5F / 90 cm / .035"	H787107197055	H787107091055
5F / 90 cm / .038"	H787107197115	H787107091115
6F / 65 cm / .038"	H787107209085	N/A



**Cobra 3**  
2 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107185035	H787107077035
4F / 65 cm / .038"	H787107140125	N/A
4F / 90 cm / .035"	H787107185065	H787107077065
4F / 100 cm / .038"	H787107140195	N/A
5F / 65 cm / .035"	H787107197035 H787107318045°	H787107091035
5F / 65 cm / .038"	H787107197095 H787107318035°	H787107091095
5F / 90 cm / .035"	H787107197065	H787107091065
5F / 90 cm / .038"	H787107197125	H787107091125



**Cobrita**  
2 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 25 cm / .035"	H787107230745	N/A
5F / 40 cm / .035"	H787107230425	N/A
5F / 65 cm / .035"	H787107230185	N/A

## VISCERAL SELECTIVE CATHETERS

Soft Radiopaque Tip

5 per Box

Symbol Guide:

- ° 1 cm tip
- °° 1.5 cm tip
- °°° 2 cm tip
- °°°° 3 cm tip
- 3.5 cm tip
- 4 cm tip
- 4.5 cm tip
- ° 5 cm tip
- °° 6 cm tip
- °°° 6.5 cm tip
- °°°° 8.5 cm tip
- °°°°° 10 cm tip

- ° 2 side holes
- °° 4 side holes
- °°° 6 side holes
- °°°° 8 side holes
- °°°°° 10 side holes

- Tapered tip
- Straight tip
- Mini



Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 90 cm / .038"	H787107229915	N/A



Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107187015	H787107079015
5F / 65 cm / .035"	H787107199015	H787107093015
5F / 65 cm / .038"	H787107199035	H787107093035



Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107187025	H787107079025
5F / 65 cm / .035"	H787107199025	H787107093025
5F / 65 cm / .038"	H787107199045	H787107093045
5F / 80 cm / .038"	N/A	H787107100125



Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	N/A	H787107328015
5F / 65 cm / .038"	N/A	H787107100145



Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 65cm / .035"	N/A	H787107353015




Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 90 cm / .035"	H787107337015	N/A
5F / 80 cm / .038"	H787107321015	N/A

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Soft Radiopaque Tip

5 per Box




**NaviGate\* 1**  
1.9 cm soft tip **NEW**

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 65 cm / .035"	H787107100735	N/A



**NaviGate 2**  
2.2 cm soft tip **NEW**

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 65 cm / .035"	H787107100745	N/A



**NaviGate 3**  
2.2 cm soft tip **NEW**

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 65 cm / .035"	H787107100755	N/A




**NaviGate 4**  
3 cm soft tip **NEW**

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 65 cm / .035"	H787107100765	N/A




**NaviGate 5**  
3.6 cm soft tip **NEW**

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 65 cm / .035"	H787107100775	N/A




**RC 1**  
6 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	N/A	H787107330015
5F / 65 cm / .035"	N/A	H787107331015
5F / 65 cm / .038"	N/A	H787107100295



**RC 2**  
9 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 65 cm / .038"	N/A	H787107331025



**Renal**  
7.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107188015	H787107080015
5F / 65 cm / .035"	H787107200015	H787107094015
5F / 65 cm / .038"	H787107200025	H787107094025

## VISCERAL SELECTIVE CATHETERS

Soft Radiopaque Tip

5 per Box

Symbol Guide:

- <sup>1</sup> 1 cm tip
- <sup>11</sup> 1.5 cm tip
- <sup>2</sup> 2 cm tip
- <sup>13</sup> 3 cm tip
- 3.5 cm tip
- 4 cm tip
- 4.5 cm tip
- <sup>5</sup> 5 cm tip
- <sup>6</sup> 6 cm tip
- <sup>66</sup> 6.5 cm tip
- <sup>8</sup> 8.5 cm tip
- <sup>10</sup> 10 cm tip

- ° 2 side holes
- °° 4 side holes
- °°° 6 side holes
- °°°° 8 side holes
- °°°°° 10 side holes

- Tapered tip
- Straight tip
- Mini



**Rim**  
5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	N/A	H787107332015
5F / 25 cm / .035"	N/A	H787107334035
5F / 40 cm / .035"	N/A	H787107334025
5F / 65 cm / .035"	N/A	H787107333015
5F / 65 cm / .038"	H787107334015 <sup>11</sup>	N/A
5F / 90 cm / .038"	N/A	H787107100305



**Shepherd Hook 1**  
3.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107186015	H787107078015
5F / 65 cm / .035"	H787107198015	H787107092015
5F / 65 cm / .038"	H787107198035	H787107092035



**Shepherd Hook 2**  
4 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107186025	H787107078025
5F / 65 cm / .035"	H787107198025	H787107092025
5F / 65 cm / .038"	H787107198045	H787107092045
5F / 80 cm / .038"	N/A	H787107100315



**Sos Omni\* 0**  
4.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	N/A	H787107100325
4F / 65 cm / .038"	H787107100335	N/A
4F / 80 cm / .035"	N/A	H787107114045
4F / 80 cm / .038"	H787107140235	N/A
5F / 65 cm / .038"	H787107100355	H787107100345
5F / 80 cm / .035"	H787107204075	H787107120045
5F / 80 cm / .038"	H787107204085	H787107120085



**Sos Omni 1**  
5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107100365	N/A
4F / 80 cm / .035"	N/A	H787107114015
4F / 80 cm / .038"	H787107140245	N/A
5F / 65 cm / .038"	H787107100385	H787107100375
5F / 80 cm / .035"	H787107204025	H787107120015
	H787107320025°	
5F / 80 cm / .038"	H787107204015	H787107120055



**Sos Omni 2**  
4.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	N/A	H787107100395
4F / 65 cm / .038"	H787107100405	N/A
4F / 80 cm / .035"	N/A	H787107114025
		H787107114055°°
4F / 80 cm / .038"	H787107140255	N/A
5F / 65 cm / .038"	N/A	H787107100415
5F / 80 cm / .035"	H787107204035	H787107120025
	H787107320015°	
5F / 80 cm / .038"	H787107204055	H787107120065

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Soft Radiopaque Tip

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**Sos Omni 3**  
5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107100425	N/A
4F / 80 cm / .035"	N/A	H787107114035
4F / 80 cm / .038"	H787107140265	N/A
5F / 65 cm / .038"	N/A	H787107100435
5F / 80 cm / .035"	H787107204045	H787107120035
5F / 80 cm / .038"	H787107204065	H787107120075



**Sos Omni 0 Junior**  
3 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107115015	N/A



**Sos Omni 0 Mini**  
3 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107115025	N/A



**Mini Omni**  
3.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107358015	N/A

## ANGLED SELECTIVE CATHETERS

Soft Radiopaque Tip

5 per Box

Symbol Guide:

- <sup>1</sup> 1 cm tip
- <sup>11</sup> 1.5 cm tip
- <sup>2</sup> 2 cm tip
- <sup>13</sup> 3 cm tip
- <sup>•</sup> 3.5 cm tip
- <sup>••</sup> 4 cm tip
- <sup>•••</sup> 4.5 cm tip
- <sup>°</sup> 5 cm tip
- <sup>°°</sup> 6 cm tip
- <sup>°°°</sup> 6.5 cm tip
- <sup>°°°°</sup> 8.5 cm tip
- <sup>°°°°°</sup> 10 cm tip
  
- <sup>°</sup> 2 side holes
- <sup>°°</sup> 4 side holes
- <sup>°°°</sup> 6 side holes
- <sup>°°°°</sup> 8 side holes
- <sup>°°°°°</sup> 10 side holes
  
- <sup>•</sup> Tapered tip
- <sup>••</sup> Straight tip
- <sup>•••</sup> Mini



**Berenstein**  
3 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 40 cm / .035"	N/A	H787107235035
4F / 65 cm / .035"	N/A	H787107235025
4F / 65 cm / .038"	H787107140095	N/A
4F / 100 cm / .035"	N/A	H787107235015
4F / 100 cm / .038"	H787107140165	N/A
4F / 110 cm / .035"	H787107236015	H787107235045
4F / 130 cm / .038"	H787107100055	N/A
4F / 140 cm / .035"	N/A	H787107227085
5F / 40 cm / .038"	H787107221055	N/A
5F / 65 cm / .035"	N/A	H787107227045
5F / 65 cm / .038"	H787107221045 <sup>11</sup>	H787107227035 <sup>11</sup>
	H787107221085 <sup>°°°</sup>	H787107227035 <sup>11</sup>
	H787107221065 <sup>••</sup>	
5F / 100 cm / .035"	H787107221015	H787107227015
5F / 100 cm / .038"	H787107221025	H787107227025
	H787107221075 <sup>••</sup>	
5F / 110 cm / .038"	H787107221035	H787107227055
5F / 130 cm / .038"	N/A	H787107227075
5F / 140 cm / .035"	N/A	H787107227065
5F / 140 cm / .038"	H787107221095	N/A
6F / 65 cm / .038"	H787107317025	N/A
	H787107317015 <sup>••••</sup>	
6F / 100 cm / .038"	N/A	H787107113015
6F / 110 cm / .038"	N/A	H787107113025



**Hockey Stick 1**  
4 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107140335	N/A
4F / 100 cm / .035"	N/A	H787107325015 <sup>°</sup>
4F / 100 cm / .038"	H787107140475	N/A
5F / 65 cm / .035"	H787107218055 <sup>•</sup>	N/A
5F / 100 cm / .035"	H787107218015	H787107224065
5F / 100 cm / .038"	H787107218035	H787107224035



**Hockey Stick 2**  
10 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107187025 <sup>••••</sup>	H787107079025 <sup>••••</sup>
4F / 100 cm / .035"	N/A	H787107233025
5F / 65 cm / .038"	N/A	H787107224055
5F / 100 cm / .035"	H787107218025	H787107224025
5F / 100 cm / .038"	H787107218045	H787107224045



**Kerns**  
2 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107338015	H787107339015

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Soft Radiopaque Tip  
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**Kumpe**  
3 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 40 cm / .035"	H787107343015	N/A
4F / 40 cm / .038"	H787107100135	N/A
4F / 65 cm / .038"	H787107140145	N/A
4F / 100 cm / .035"	H787107343025	N/A
4F / 100 cm / .038"	H787107140215	N/A
5F / 25 cm / .035"	H787107327075	N/A
5F / 40 cm / .038"	H787107327025	N/A
5F / 65 cm / .038"	H787107327015	N/A
5F / 100 cm / .038"	H787107327035	N/A



**MPA**  
3.2 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	N/A	H787107354015
4F / 65 cm / .038"	H787107140385	N/A
4F / 100 cm / .035"	N/A	H787107354025
4F / 100 cm / .038"	H787107140525	N/A
4F / 130 cm / .038"	H787107100155	N/A
5F / 50 cm / .035"	N/A	H787107355015
5F / 65 cm / .035"	N/A	H787107356015 <sup>ooo</sup>
5F / 65 cm / .038"	H787107100175	N/A
5F / 80 cm / .035"	N/A	H787107355035
5F / 100 cm / .035"	N/A	H787107356025 <sup>ooo</sup>
5F / 100cm / .038"	N/A	H787107355045
5F / 130 cm / .038"	N/A	H787107100165
6F / 90 cm / .035"	H787107357015	N/A
6F / 110 cm / .038"	N/A	H787107100185 <sup>oo</sup> <sup>oooo</sup>



**MPB**  
3.5 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	H787107351015 <sup>ooo</sup>	N/A
4F / 65 cm / .038"	H787107140395	N/A
4F / 100 cm / .038"	H787107140535	N/A
5F / 65 cm / .035"	H787107350015 <sup>ooo</sup>	N/A
5F / 65 cm / .038"	N/A	H787107349015
5F / 80 cm / .038"	N/A	H787107100195



**NEW Sharp Angle\***  
3 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .035"	N/A	H787107100875*
4F / 100 cm / .038"	H787107100885	N/A
5F / 65 cm / .035"	H787107100795	H787107100785
5F / 65 cm / .038"	H787107100835	H787107100825
5F / 100 cm / .035"	H787107100815	H787107100805
5F / 100 cm / .038"	H787107100855	H787107100845
5F / 130 cm / .038"	N/A	H787107100865

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CATHETERS**

Soft Radiopaque Tip

5 per Box

Symbol Guide:

- ¹ 1 cm tip
- ¹¹ 1.5 cm tip
- ¹² 2 cm tip
- ¹³ 3 cm tip
- 3.5 cm tip
- 4 cm tip
- 4.5 cm tip
- ° 5 cm tip
- °° 6 cm tip
- °°° 6.5 cm tip
- °°°° 8.5 cm tip
- °°°°° 10 cm tip
  
- ° 2 side holes
- °° 4 side holes
- °°° 6 side holes
- °°°° 8 side holes
- °°°°° 10 side holes
  
- Tapered tip
- Straight tip
- Mini



**Vertebral**  
5.5 cm soft tip

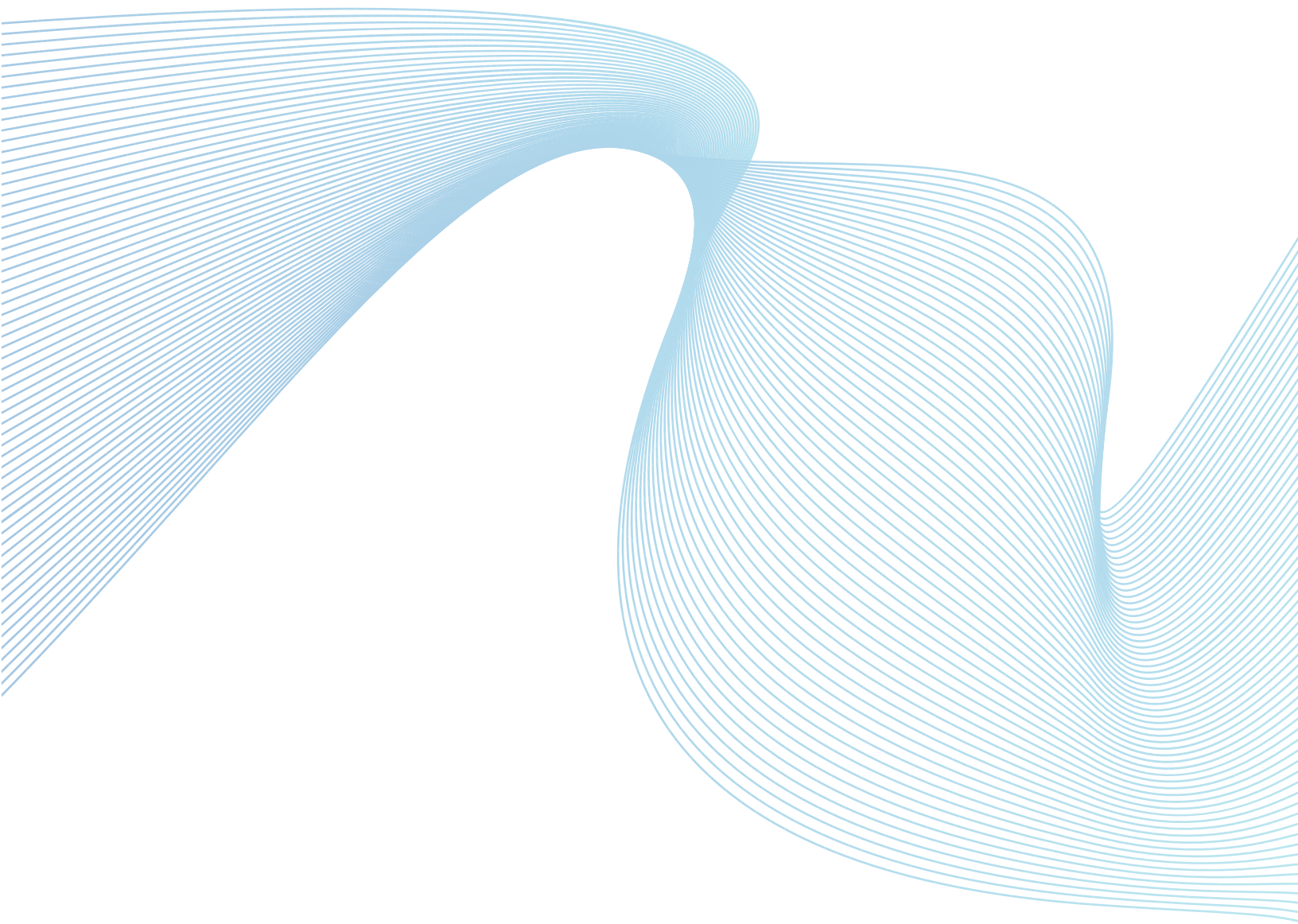
Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
4F / 65 cm / .038"	H787107100665	N/A
4F / 100 cm / .035"	H787107181015°	H787107073015°
4F / 100 cm / .038"	H787107140455°	N/A
4F / 130 cm / .035"	N/A	H787107100655
5F / 65 cm / .038"	H787107100705	H787107100675
5F / 100 cm / .035"	H787107193015°	H787107087015°
5F / 100 cm / .038"	H787107193025°	H787107087025°
5F / 130 cm / .035"	N/A	H787107100695
5F / 130 cm / .038"	N/A	H787107100685
6F / 100 cm / .038"	N/A	H787107100715°
6F / 130 cm / .038"	H787107100725°	N/A



**Weinberg**  
4 cm soft tip

Description	Non-Braided High-Torque Shaft	Braided Ultra-Torque Shaft
5F / 100 cm / .035"	H787107336015	H787107335025
5F / 100 cm / .038"	N/A	H787107335015











Your AngioDynamics partner: \_\_\_\_\_

Check with your in-country representative for product-specific availability.  
Low volume configurations are built to order and may require greater lead time.

## IMPORTANT RISK INFORMATION

CAUTION: Federal law (USA) restricts this device to sale by or on the order of a physician.

Indications for Use: AngioDynamics Angiographic Catheters are for use where angiographic diagnosis is indicated.

Contraindications: None known.

### Warnings:

- ANGIODYNAMICS Angiographic Catheters should be used only by physicians with a thorough understanding of angiography and percutaneous interventional procedures and are not for reuse or resterilization.
- ANGIODYNAMICS 3 French Angiographic Catheters are not intended for intracranial use.
- Do not insert catheters directly through synthetic vascular grafts. Insert through a sheath introducer.
- Never advance or retract an Angiographic Catheter or guidewire against resistance. This may result in damage to the vessel, the product, or both.
- Do not attempt to hand straighten the tip of any curved tipped catheters which are furnished with a tip straightener. This may result in damage to the product. Tip straighteners are furnished on all catheters intended to be straightened with the aid of a tip straightener.
- Reshaping of the catheter tip is not recommended. Physical damage to the catheter material can result when exposed to heat.
- Do not leave curved tipped catheters straightened over guidewires for extended periods of time. This will result in failure of the catheter tip to re-form to its intended shape.
- When using ANGIODYNAMICS HALO Catheters, form or straighten the tip in the distal thoracic aorta using a guidewire when advancing or withdrawing the catheter.
- Avoid injection of contrast medium into the intercostal and lumbar arteries.
- Always use a guidewire to remove the catheter from the vasculature. Failure to do so may result in damage to the vessel, puncture site, product, or all three.
- When retracting catheters, great care must be taken to avoid exerting excessive pressure at the groin entry site. Excessive pressure may result in damage to the vessel, the catheter, or both.
- The maximum pressure limit of catheters intended for flush angiography is stated on the catheter package. When using a pressure injector, do not exceed the stated maximum pressure.
- Catheters intended for selective angiography do not have a maximum pressure limit stated on the catheter package. Typical flow rates of up to 10cc per second are stated with pressure generated to achieve these typical flow rates.
- Flow rates have been established by using a contrast medium as stated on the catheter label at 37° centigrade for a 2 second injection. Since a number of variables (such as media viscosity and temperature) can produce different flow rates, this information should only be used as a guide.
- Reuse of single-use devices creates a potential risk of patient or user infections. Contamination of the device may lead to injury, illness or death of the patient.
- Reprocessing may compromise the integrity of the device and / or lead to device failure.

### Adverse Events:

Potential complications include, but are not limited to the following: Thrombus formation, Emboli, Arterial wall damage, Plaque dislodgment, Hematoma, Cardiac arrhythmias, Myocardial infarction, Stroke, and Death.

Refer to Instructions for Use and/or User Manual provided with the product for complete Instructions, Warnings, Precautions, Potential Adverse Effects and Contraindications prior to use of the product.



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