



Medtronic

LAUNCHER

Peripheral Guide Catheter

Advanced Platform Designed for Multiple Interventional Approaches

Launcher's new primary segment allows you to **actively engage while preserving curve shape**:

- > Balanced catheter shaft maintains backup support for challenging cases.
- > Controlled torque allows for precise movement.

Absolute Visualization

The catheter design offers a **complete view** of the guide and vessel:

- > Vest-Tech Nylon and wire braid provide exceptional hub-to-tip radiopacity.
- > Radiopaque marker band facilitates accurate ostial engagement and visualization.

Launching a New Frontier

Proprietary design delivers **performance you expect** from Medtronic:

- > Largest lumens available (6F and 7F) provide broad product compatibility:
 - 6F I.D. (0.071 in.).
 - 7F I.D. (0.081 in.).
 - 8F I.D. (0.090 in.).
- > **Full Wall Technology** uses encapsulated flat-wire braid to achieve a large lumen catheter.



Balanced Performance That's Ahead of the Curve

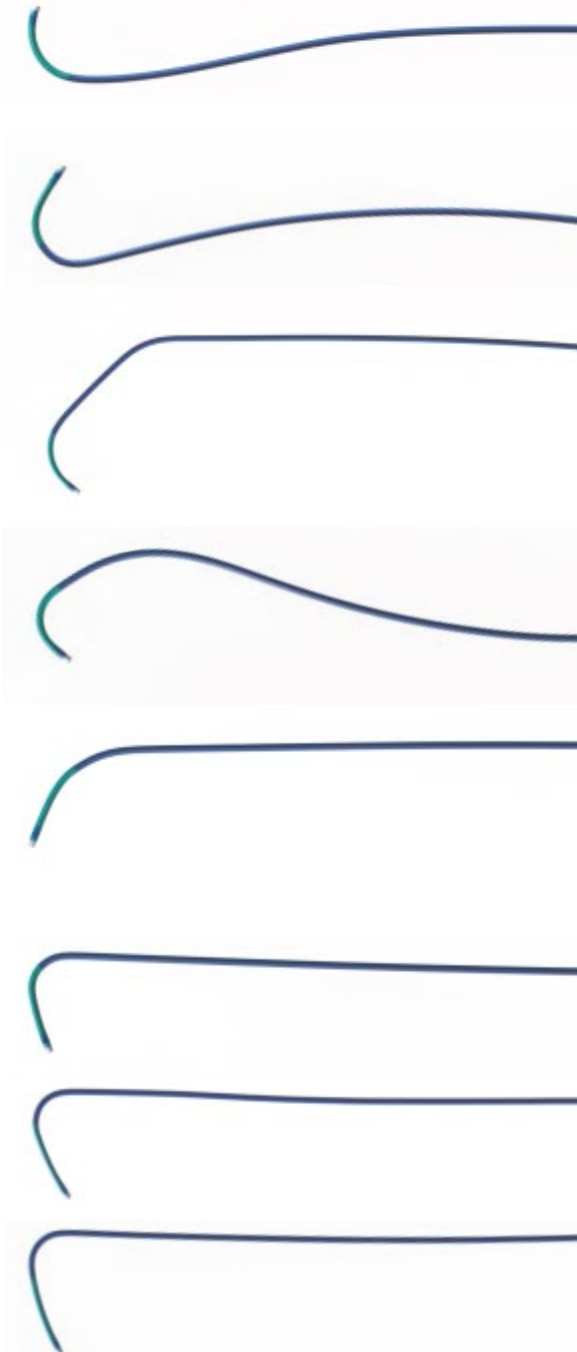
LAUNCHER

Peripheral Guide Catheter

Medtronic Ordering Information

Contact your Medtronic Vascular sales representative

Product Code	French Size (F)	Length (cm)	Curve Style
RENAL CURVE			
LA6PK1W	6	47	PK1
LA7PK1W	7	47	PK1
LA8PK1W	8	47	PK1
HOCKEY STICK			
LA6MPHK	6	55	MPH
LA7MPHK	7	55	MPH
LA8MPHK	8	55	MPH
RENAL DOUBLE CURVE			
LA6RDCK	6	55	RDC
LA7RDCK	7	55	RDC
LA8RDCK	8	55	RDC
SHEPHERD'S CROOK			
LA6SCR40K	6	55	SCR
LA7SCR40K	7	55	SCR
LA8SCR40K	8	55	SCR
MULTIPURPOSE			
LA6MP1K	6	55	MP1
LA7MP1K	7	55	MP1
LA8MP1K	8	55	MP1
CHAMP			
LA6CHAMP15K	6	55	Champ 1.5
LA7CHAMP15K	7	55	Champ 1.5
LA8CHAMP15K	8	55	Champ 1.5
LA6CHAMP20K	6	55	Champ 2.0
LA7CHAMP20K	7	55	Champ 2.0
LA8CHAMP20K	8	55	Champ 2.0
LA6CHAMP25K	6	55	Champ 2.5
LA7CHAMP25K	7	55	Champ 2.5
LA8CHAMP25K	8	55	Champ 2.5



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Product Services
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Fax: 800.838.3103
www.MedtronicAVE.com

Please reference appropriate product *Instructions for Use* for any indications, warnings and precautions.

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

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Medtronic AVE

Launcher™ >

Renal
Guiding Catheter

Balanced performance that's ahead of the curve

Launcher

Guide Catheter Performance

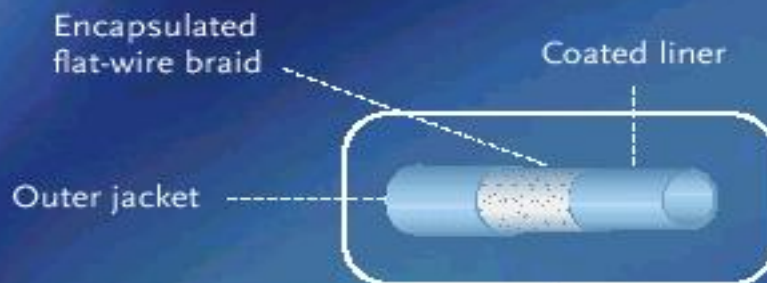
- **Handling characteristics**
 - Torque response
 - Back-up support
 - Ease of device deployment
- **Shaft characteristics**
 - Lumen size
 - Kink resistance
- **Tip characteristics**
 - Tip softness
 - Visibility to access tip location
 - No fish mouthing
- **Curve characteristics**
 - Curve support
 - Shape retention
 - Shape predictability / consistency
 - Curve kink resistance

Downsize Without Compromise

Performance plus large lumens: the perfect balance for today's challenging interventions

Proprietary Full Wall Technology™ provides:

- Kink-resistance
- Curve retention
- Torque transfer
- Lumen lubricity



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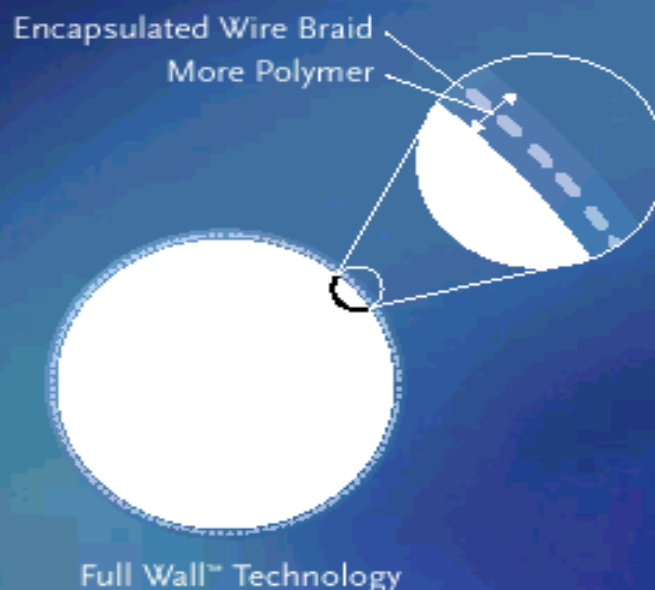
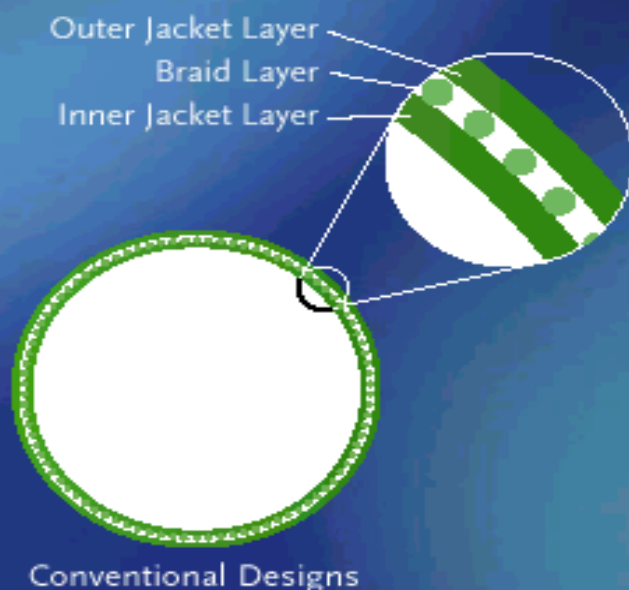
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Downsize Without
Compromise

Full Wall Technology

Launcher maximizes catheter construction without trading off performance:

- Encapsulated braid allows for more polymer for added support
- Increases flexibility without losing support



Launcher Positioning and Key Messages

“Balanced performance that’s ahead of the curve”

The three key messages are:

- **Dependable platform for optimal outcomes**
 - Provides the backup and curve retention you need from a large lumen catheter
- **Absolute visualization**
 - More dye flow than the leading competitor
 - Exceptional radiopacity from distal shaft to tip
- **Launching new frontiers**
 - Large lumens due to Full Wall Technology™
 - Broader device compatibility



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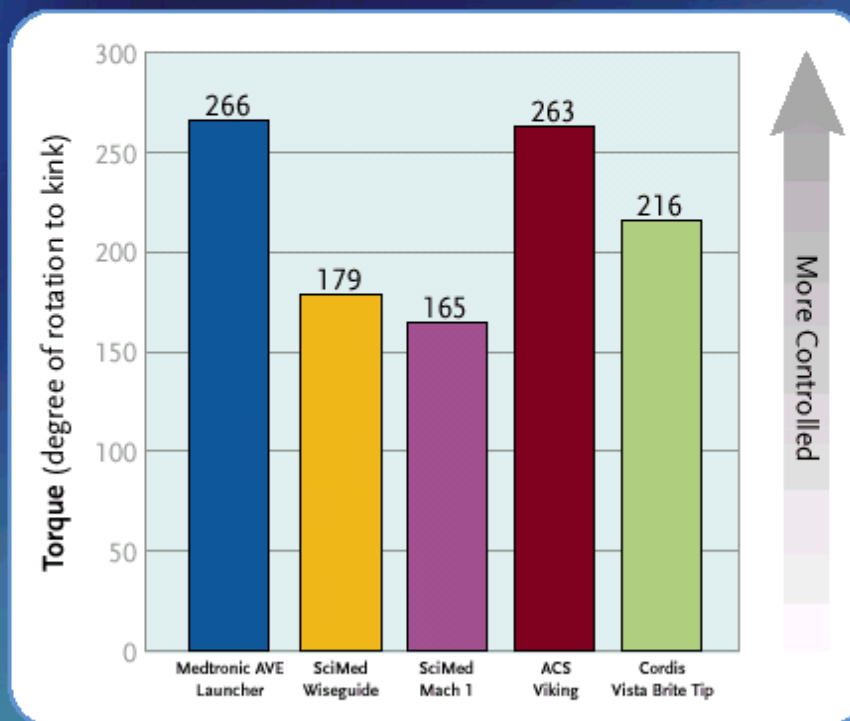
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Positioning

Controlled Torque Allows Precise Placement

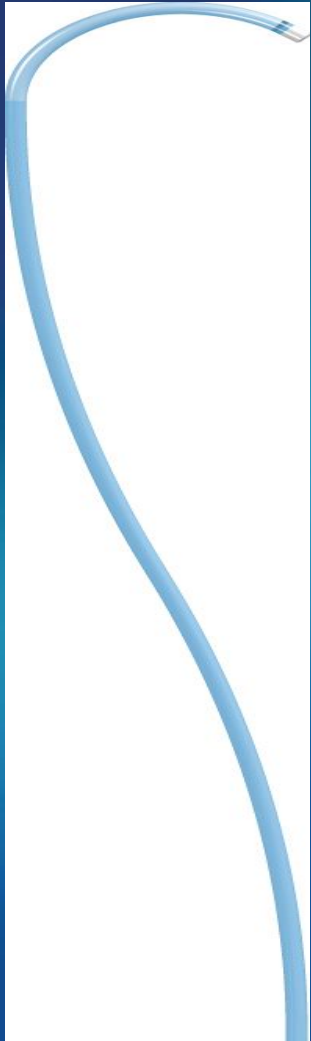
Launcher's supportive yet flexible shaft absorbs torque:

- More control from hub to tip
- Prevents whipping and diving during guide placement
- Provides 1:1 torque for ease of placement
- Provides increased torsional kink-resistance



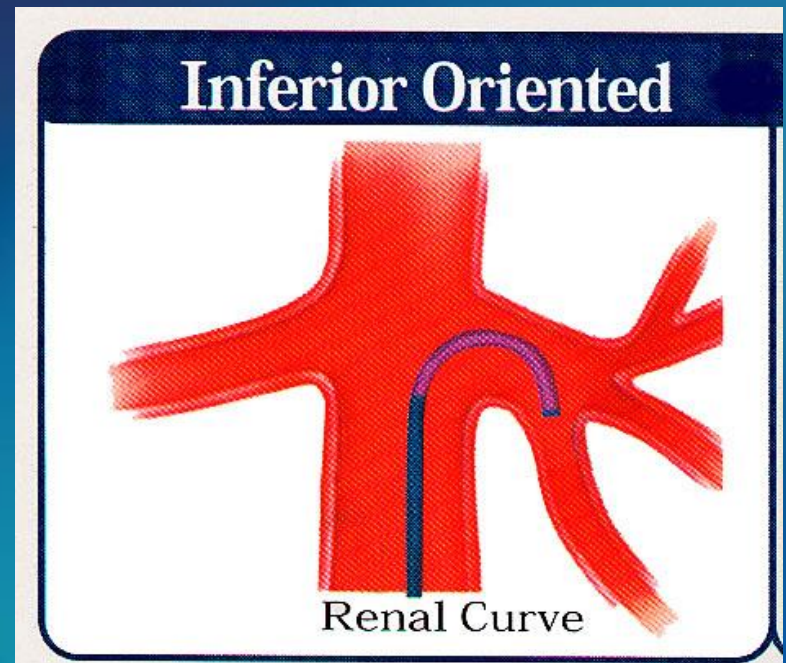
Controlled torque means when you stop turning the hub, Launcher's tip stops moving!

Peripheral Guide Catheter Curves



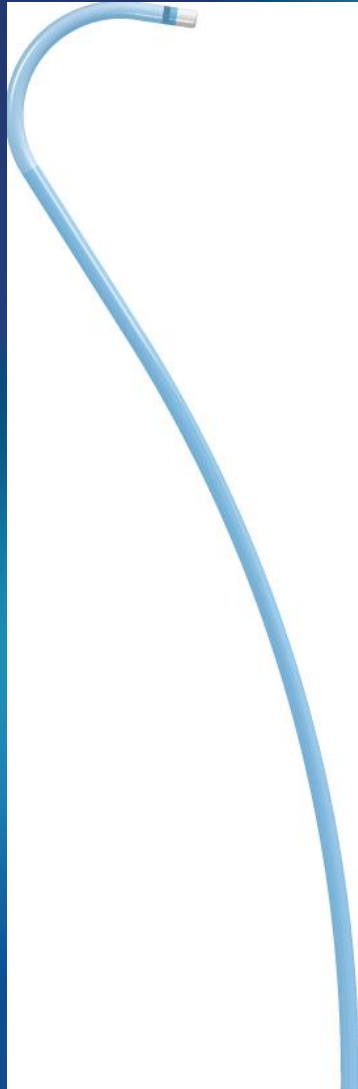
Renal curve

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:
LA6PK1W
LA7PK1W
LA8PK1W



- Designed for inferior take off with multiple side branches

Peripheral Guide Catheter Curves



Hockey stick

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:
LA6MPHK
LA7MPHK
LA8MPHK

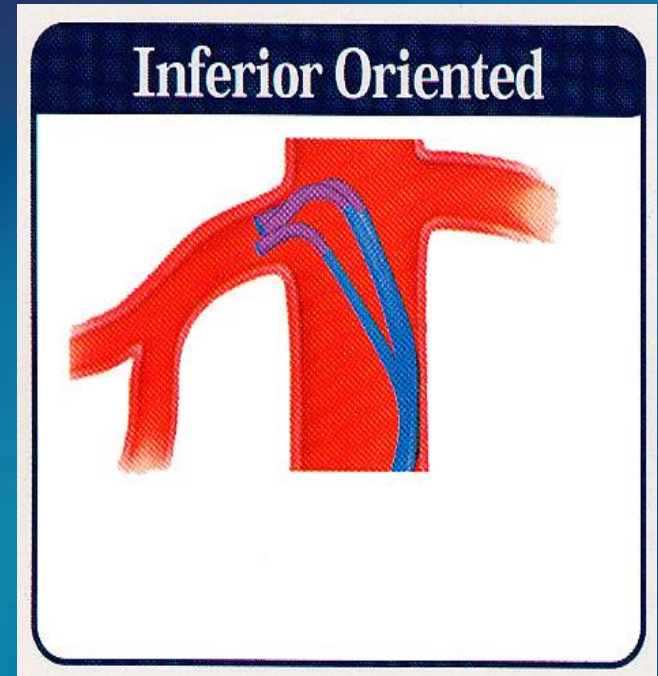
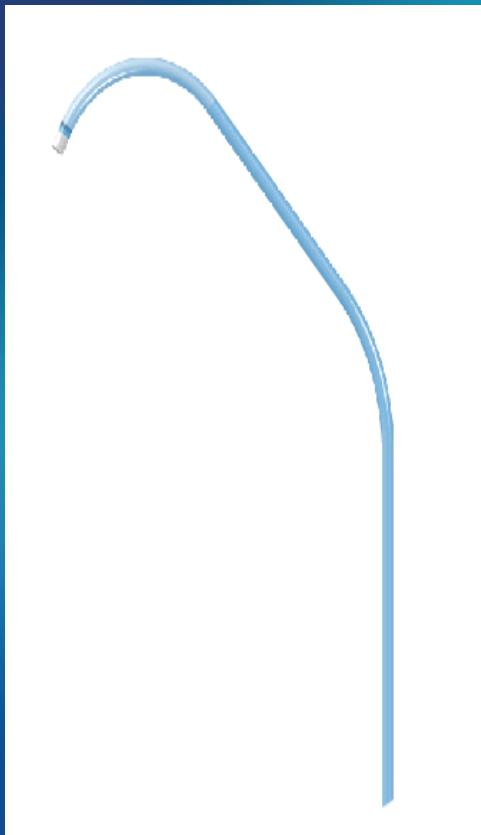


- Designed for ostiums that are mildly superior in orientation.

Peripheral Guide Catheter Curves

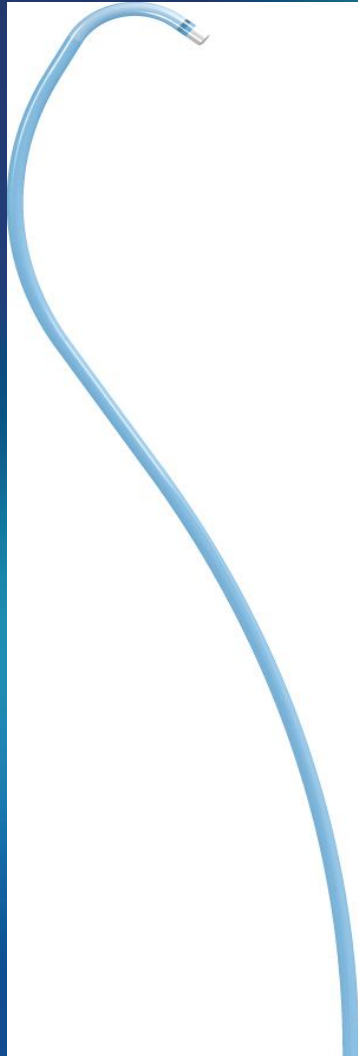
Double curve

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:
LA6RDCK
LA7RDCK
LA8RDCK



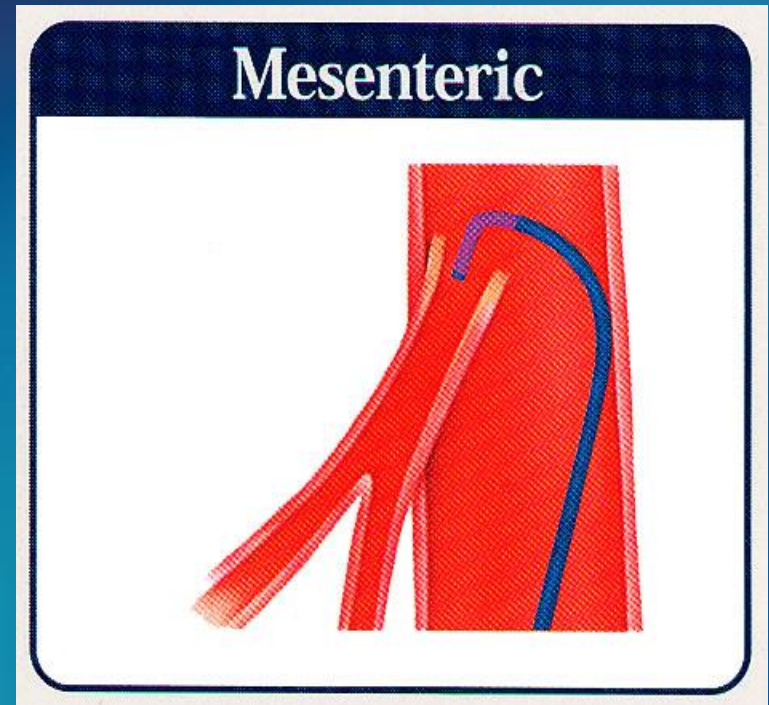
- Designed for an inferior take-off.
- Offers contra-lateral support curve can buttress up against vessel wall.

Peripheral Guide Catheter Curves



Shepherd's crook

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:
LA6SCR40K
LA7SCR40K
LA8SCR40K

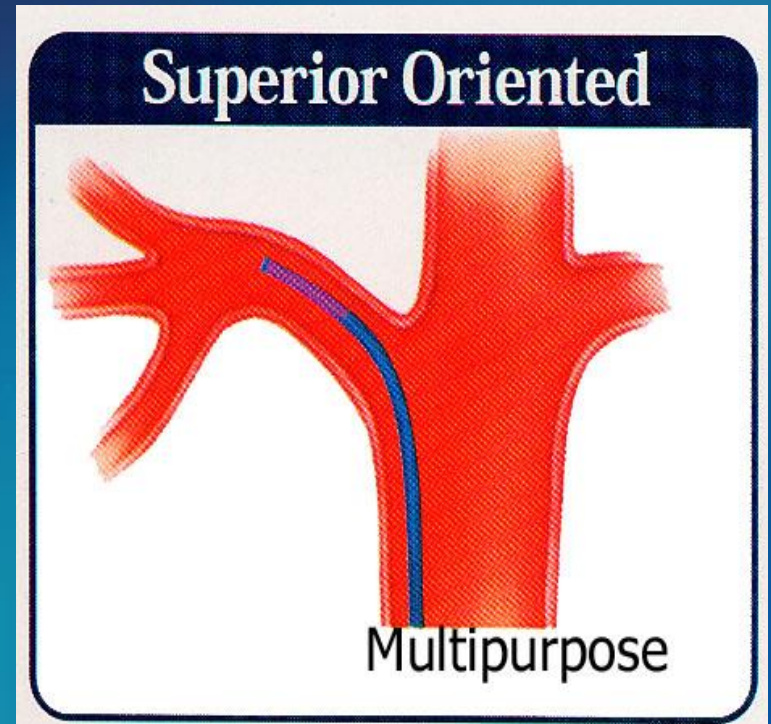


- Designed for superior take off that slope down

Peripheral Guide Catheter Curves

Multipurpose

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:
LA6MP1K
LA7MP1K
LA8MP1K



- Designed for vessels with a transverse origin.

Peripheral Guide Catheter Curves



Champ (1.5/2.0/2.5)

- 6F, 7F and 8F
- Length 55cm
- Catalog numbers:

LA6CHAMP15K

LA7CHAMP15K

LA8CHAMP15K

LA6CHAMP20K

LA7CHAMP20K

LA8CHAMP20K

LA6CHAMP25K

LA7CHAMP25K

LA8CHAMP25K

