

...even challenging cases will look easy from now on

### Hydrophilic coating providing new frontiers

- Smooth catheter introduction
- Low friction during catheter advancement in tortuous and calcified anatomy
- Reduced vessel spasm in radial approach resulting in more patient comfort
- Less trauma to the vessel wall reducing the risk of debris flowing downstream which could lead to TIA's
- The uncoated proximal 25 cm of the catheter stays outside the body which makes manipulation easier

### Very precise control

- No stick slip effect due to Hydrophilic coating provides more accurate tip positioning in ostial lesions
- The uncoated segment in the valve of the sheath prevents unintentional movement of the catheter during the procedure
- No catheter friction provides real 1:1 torque control of the tip
- Encapsulated ultra thin high strength flat wire braiding provides high kink resistance against torsional and radial compression and excellent pushability characteristics

### Largest inner lumen over the whole range

- Good contrast injection, also in combination with kissing balloon technique
- Larger lumens offer expanded device compatibility for large profile devices and enables downsizing



### Superior back up support

- Excellent shape retention during prolonged procedure time
- Minimal temperature softening of the catheter providing more passive backup support
- Uncoated segment in the tip providing good grip at ostium and support of opposite aorta wall to give additional passive backup support

### Ordering information

	shape	5F	6F	7F	8F
LEFT	JL3	25402004	26402004	27402004*	28402004*
	JL3.5	25402204	26402204*	27402204*	28402204*
	JL4	25402304	26402304*	27402304*	28402304*
	JL4.5	25402404	26402404*	27402404*	28402404*
	JL5	25402504	26402504*	27402504*	28402504*
	JL6	25404404	26404404*	27404404*	28404404*
	FL3	25404504	26404504*	27404504*	28404504*
	FL3.5	25404604	26404604*	27404604*	28404604*
	FL4	25404704	26404704*	27404704*	28404704*
	FL4.5	25404804	26404804*	27404804*	28404804*
	FL5	25404904	26404904*	27404904*	28404904*
	FL6	25408104	26408104*	27408104*	28408104*
RIGHT	XR3	25407804	26407804*	27407804*	28407804*
	XR3.5	25407904	26407904*	27407904*	28407904*
	XR4	25408004	26408004*	27408004*	28408004*
	XR4.5	25408104	26408104*	27408104*	28408104*
	XR5	25408204	26408204*	27408204*	28408204*
	XR5.5	25408304	26408304*	27408304*	28408304*
	JR3	25402604	26402604*	27402604*	28402604*
	JR3.5	25402704	26402704*	27402704*	28402704*
	JR4	25402804	26402804*	27402804*	28402804*
	JR4.5	25402904	26402904*	27402904*	28402904*
	JR5	25403004	26403004*	27403004*	28403004*
	JR6	25403104	26403104*	27403104*	28403104*
MULTI PURPOSE	FR3	25403804	26403804*	27403804*	28403804*
	FR3.5	25403904	26403904*	27403904*	28403904*
	FR4	25404004	26404004*	27404004*	28404004*
	FR4.5	25404104	26404104*	27404104*	28404104*
	FR5	25404204	26404204*	27404204*	28404204*
	FR6	25404304	26404304*	27404304*	28404304*
	MPA	25403604	26403604*	27403604*	28403604*
	HS	25405004	26405004*	27405004*	28405004*
	AL7.5	25400104	26400104*	27400104*	28400104*
	AL1	25401004	26401004*	27401004*	28401004*
	AL1.5	25401104	26401104*	27401104*	28401104*
	AL2	25401204	26401204*	27401204*	28401204*
EXTRA BACK UP	AR1	25400504	26400504*	27400504*	28400504*
	AR2	25400704	26400704*	27400704*	28400704*
	XB3	25407304	26407304*	27407304*	28407304*
	XB3.25	25407404	26407404*	27407404*	28407404*
	XB3.5	25407504	26407504*	27407504*	28407504*
	XB3.75	25407604	26407604*	27407604*	28407604*
	XB4	25407704	26407704*	27407704*	28407704*
	XB4.25	25407804	26407804*	27407804*	28407804*
	XB4.5	25407904	26407904*	27407904*	28407904*
	EBU3	25408604	26408604*	27408604*	28408604*
	EBU3.25	25408704	26408704*	27408704*	28408704*
	EBU3.5	25408804	26408804*	27408804*	28408804*
TRANSRADIAL	EBU3.75	25408904	26408904*	27408904*	28408904*
	EBU4	25409004	26409004*	27409004*	28409004*
	EBU4.25	25409104	26409104*	27409104*	28409104*
	EBU4.5	25409204	26409204*	27409204*	28409204*
	EBU4.75	25409304	26409304*	27409304*	28409304*
	EBU5	25409404	26409404*	27409404*	28409404*
	XBRC3	25409504	26409504*	27409504*	28409504*
	XBRC3.5	25409604	26409604*	27409604*	28409604*
	XBRC3.75	25409704	26409704*	27409704*	28409704*
	XBRC4	25409804	26409804*	27409804*	28409804*
	XBRC4.25	25409904	26409904*	27409904*	28409904*
	XBRC4.5	25400004	26400004*	27400004*	28400004*
BYPASS	SCR3.5	25405604	26405604*	27405604*	28405604*
	SCR4	25405704	26405704*	27405704*	28405704*
	SCR5	25405804	26405804*	27405804*	28405804*
	RAD	25405004	26405004*	27405004*	28405004*
	RBM	25405104	26405104*	27405104*	28405104*
	RBL3.5	25406104	26406104*	27406104*	28406104*
	RBL4	25406204	26406204*	27406204*	28406204*
	RBL4.5	25406304	26406304*	27406304*	28406304*
	RBR3	25406404	26406404*	27406404*	28406404*
	RBR3.5	25406504	26406504*	27406504*	28406504*
	RBR4	25406604	26406604*	27406604*	28406604*
	TIG3	25406804	26406804*	27406804*	28406804*
TIG3.5	25406904	26406904*	27406904*	28406904*	
TIG4	25407004	26407004*	27407004*	28407004*	
TIG4.5	25407104	26407104*	27407104*	28407104*	
TIG5	25407204	26407204*	27407204*	28407204*	
RBK	25406704	26406704*	27406704*	28406704*	
IM	25407004	26407004*	27407004*	28407004*	
LCB	25403404	26403404*	27403404*	28403404*	
RCB	25405504	26405504*	27405504*	28405504*	

\* also available with 2 sideholes. To order this shape with sideholes please change the 7th number in the article number from 0 into 2



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cardiology

**PRIMUM**  
Guiding catheter

HYDROPHILIC COATED GUIDING CATHETER

Let us guide you...

PendraCare®

As of today hydrophilic coating will change the guiding catheter landscape...

Wear resistant hydrophilic coating approx. 7cm proximal from the tip until 25 cm distal from the hub

Uncoated segment for optimal alignment and back up support

Largest inner lumen over the whole range

Small a-traumatic softtip

### shape selector

	FEMORAL			RADIAL			BYPASS		
	small	normal	dilated	small	normal	dilated	TO LCA	TO RCA	TO IM
<b>LCA</b>									
Left shapes	JL3 JL3.5 JL4 FL3.5	JL4.5 FL4 FL4.5	JL5 JL6 FL5 FL6	JL3 JL3.5 JL4 FL3	JL3.5 JL4 FL3.5 FL4	JL4.5 FL4.5	LCB HS JR4	RCB HS JR4	IM MP JR4
Extra back up shapes	XB3 XB3.25 EBU3 EBU3.25 XBLAD3 XBLAD3.5	XB3.5 XB3.75 EBU3.5 EBU3.75 EBU4 XBLAD4 XBLAD4.5	XB4 XB3.25 XB4.5 EBU4 EBU5 XBLAD5 XBLAD6	XB3 XB3.25 EBU3 EBU3.25	XB3.5 XB3.75 EBU3.5 EBU3.75 EBU4	XB4 XB3.25 XB4.5 EBU4.5 EBU5			
Amplatz shapes	AL7.5 AL1	AL1.5 AL2	AL3	AL2	AL3		Left shapes		
<b>RCA</b>									
Right shapes	JR3 JR3.5 FR3 FR3.5 SCR3.5	JR4 JR4.5 FR4 FR4.5 SCR4	JR5 JR6 FR5 FR6 SCR5	JR4 FR4 RAD RBM TIG 3 TIG 3.5	JR4 FR4 RAD RBM TIG 4.0 TIG 4.5	JR4 FR4 RAD RBM TIG 5	Right shapes		
Extra back up shapes	XBRC3 XBRC3.5	XBRC3.5 XBRC4 HS	XBRC4.5	RBR3 RBR3.5	RBR3.5 RBR4	RBR4			
Amplatz shapes		AL7.5 AL1	AL1 AL2	AL7.5 AL1					
							<b>OTHER TAKE-OFFS</b>		
							UP FACING	DOWNWARD FACING	
							LCA		
							RCA		

### Guiding catheter selection considerations

The guiding catheter is the key to a successful procedure. In combination with the unique features of the PRIMUM, the selection of a guiding catheter depends on:

#### The shape selection

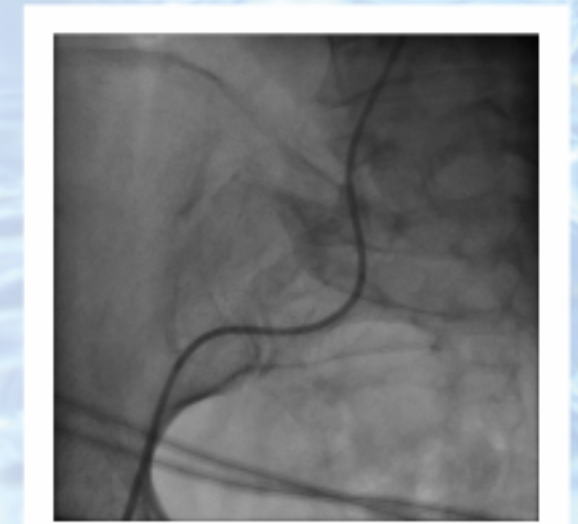
- Femoral or Radial approach
- French size 5F, 6F, 7F or 8F
- Target vessel: RCA, LAD, LCX or bypass
- Narrow, normal or dilated aortic root
- Upward-, normal or downward facing coronary artery take-off
- Location of the lesion
- Severity of the lesion
- Active support needed
- Amount of calcium in target vessel

#### French size

- 6F is the workhorse and the majority cases can be successfully performed with a 6F.
- 5F mainly for radial approach with small vessel and single vessel disease
- 7F when the back up support of a 6F may not be sufficient or for rotablator procedures with a Burr to 1.75 mm
- 8F for rotablator procedures with a Burr bigger than 1.75mm



Superior shape retention and back up support



Low friction in tortuous and calcified anatomy

**PRIMUM** non nocere  
First, do no harm