



# Interventional Radiology Embolization

PRODUCT PORTFOLIO



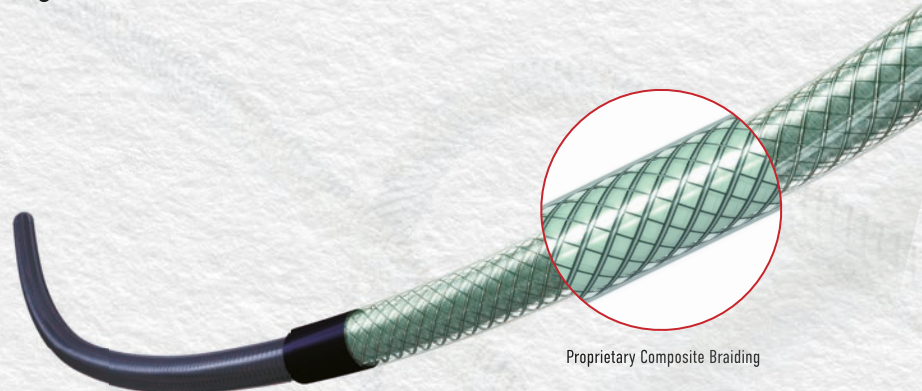
YOUR DREAMS. WOVEN TOGETHER.

# Microcatheter

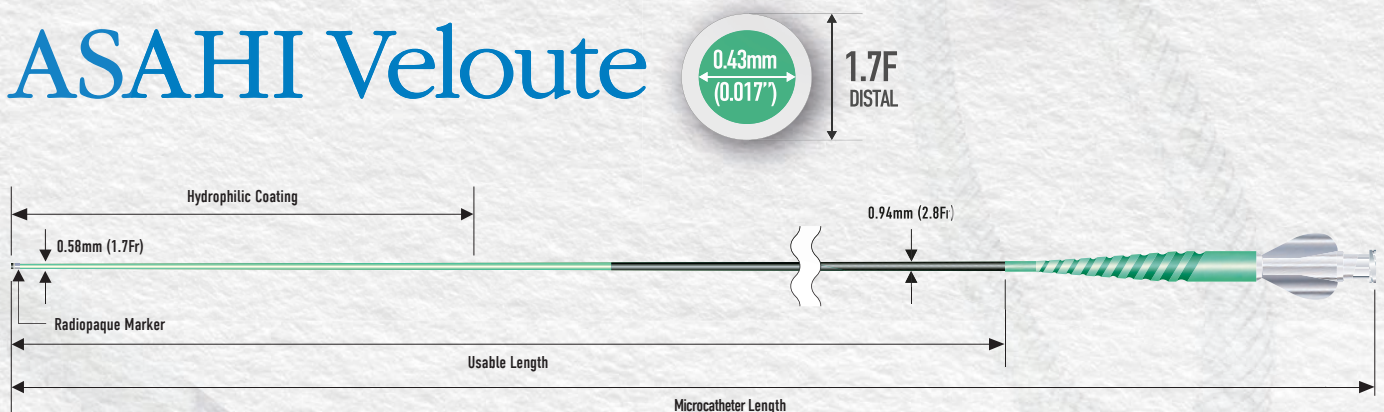
A proprietary composite braiding and stretched resin application give Veloute and Tellus resistance to kinking, enhances shaft rigidity and a bigger lumen for delivery of a wide range of embolic material

The benefits of using this technology:

- **A highly stable tip**  
that prevents kick-back and bouncing out of the target anatomy
- **Controlled pushability**  
to achieve a super selective MC position

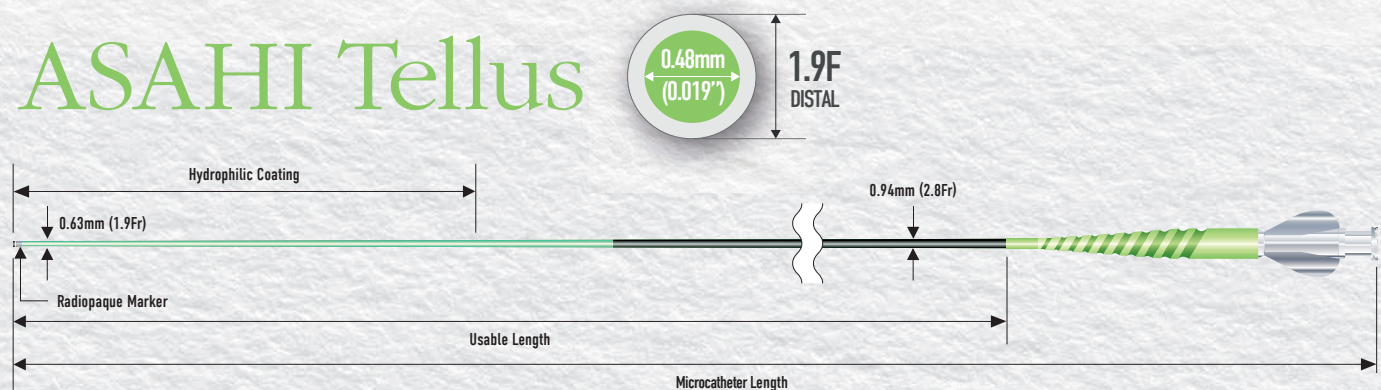


## ASAHI Veloute



- Developed to be compatible with ASAHI Meister 16
- Superior tactile feedback
- Angled and straight tip shapes

## ASAHI Tellus

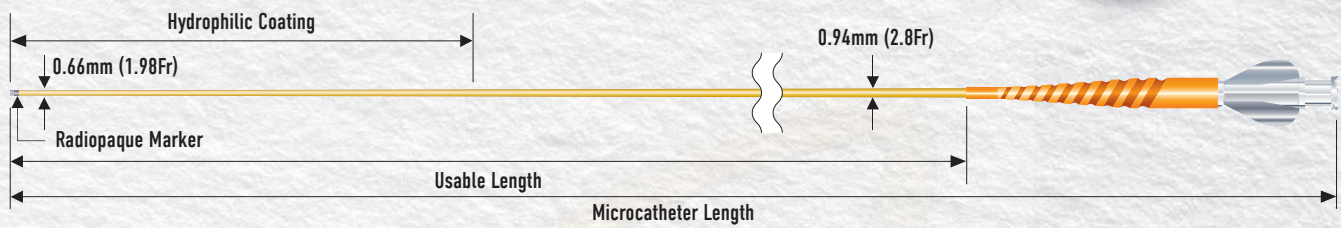
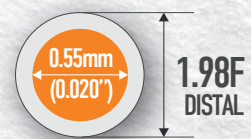


- 0.025" proximal I.D. ensures a high flow rate
- Due to its support, less kick-back during contrast injection
- Angled and straight tip shapes

# Microcatheter

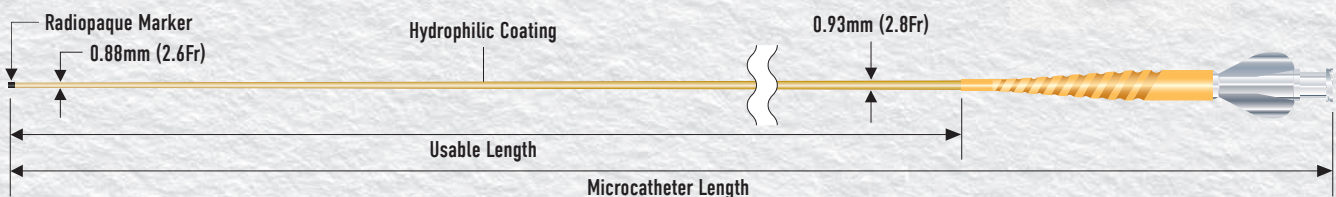
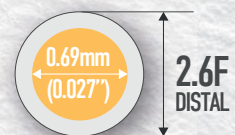


## ASAHI Masters PARKWAY SOFT



- Non-tapered inner lumen
- Large I.D. for high volume injection and smooth delivery of embolic material
- Tungsten braiding for lumen integrity and visibility

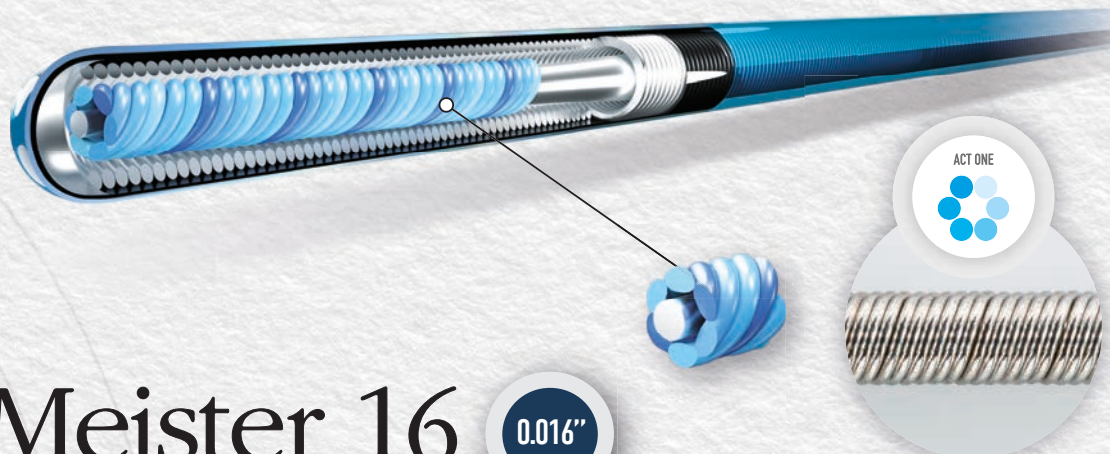
## ASAHI Masters PARKWAY HF



- High volume of contrast and therapeutic agents through 0.027" (0.69mm) inner lumen
- Tungsten braiding for lumen integrity and visibility

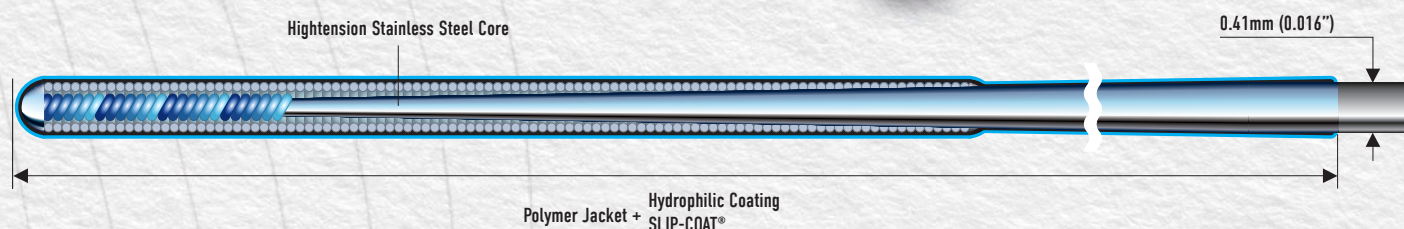
# Micro Guide Wire

ACT ONE technology provides precise torqueability (1:1 torque), durability and flexibility.



## ASAHI Meister 16

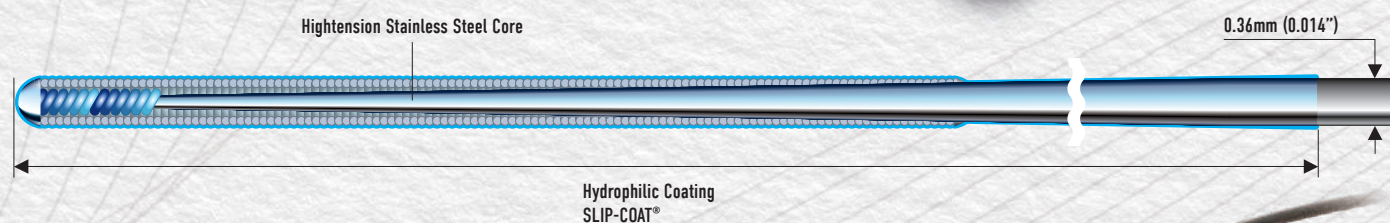
0.016"



- Stainless steel core allows for shaping and reshaping and provides adequate support
- 1:1 torque and superior shape retention provided by ACT ONE
- Polymer Jacket and a well designed shaft enhance trackability

## ASAHI CHIKAI V

0.014"



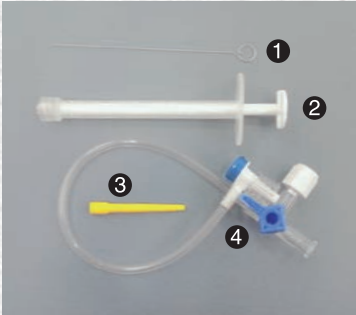
- 1:1 torque and superior shape retention for multiple vessel embolization
- Hydrophilic coating for smooth microcatheter delivery to the target vessel
- Distal support prevents wire prolapse during microcatheter delivery



Max pressure is measured when the tip of catheter is fully open.

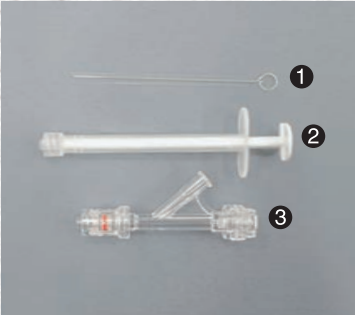
| Ordering Information & Lineup |             |               |           |                                               |                                               |                      |                            |           |                     |
|-------------------------------|-------------|---------------|-----------|-----------------------------------------------|-----------------------------------------------|----------------------|----------------------------|-----------|---------------------|
| Product                       | Catalog No. | Usable Length | MC Length | O.D. of Distal Shaft / O.D. of Proximal Shaft | I.D. of Distal Shaft / I.D. of Proximal Shaft | Max. Guide Wire      | Hydrophilic Coating Length | Tip Shape | Max. Pressure       |
| ASAHI Veloute                 | VEL105-16S  | 105 cm        | 112 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 65 cm                      | Straight  | 6895 kPa (1000 psi) |
|                               | VEL105-16AS | 105 cm        | 112 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 65 cm                      | Angle     | 6895 kPa (1000 psi) |
|                               | VEL125-16S  | 125 cm        | 132 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 65 cm                      | Straight  | 6895 kPa (1000 psi) |
|                               | VEL125-16AS | 125 cm        | 132 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 65 cm                      | Angle     | 6895 kPa (1000 psi) |
|                               | VEL150-16S  | 150 cm        | 157 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 100 cm                     | Straight  | 6895 kPa (1000 psi) |
|                               | VEL150-16AS | 150 cm        | 157 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 100 cm                     | Angle     | 6895 kPa (1000 psi) |
|                               | VEL105-16Y  | 105 cm        | 112 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 65 cm                      | Straight  | 6895 kPa (1000 psi) |
|                               | VEL105-16AY | 105 cm        | 112 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 65 cm                      | Angle     | 6895 kPa (1000 psi) |
|                               | VEL125-16Y  | 125 cm        | 132 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 65 cm                      | Straight  | 6895 kPa (1000 psi) |
|                               | VEL125-16AY | 125 cm        | 132 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 65 cm                      | Angle     | 6895 kPa (1000 psi) |
|                               | VEL150-16Y  | 150 cm        | 157 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 100 cm                     | Straight  | 6895 kPa (1000 psi) |
|                               | VEL150-16AY | 150 cm        | 157 cm    | 0.58/0.94 mm (1.7/2.8 Fr)                     | 0.43/0.59 mm (0.017/0.023 inch)               | 0.41 mm (0.016 inch) | 100 cm                     | Angle     | 6895 kPa (1000 psi) |

■ Accessory



VEL105-16S／VEL105-16AS  
VEL125-16S／VEL125-16AS  
VEL150-16S／VEL150-16AS

- 1. Stylet
- 2. 1cc Syringe
- 3. Straightener
- 4. Hemostasis Valve



VEL105-16Y／VEL105-16AY  
VEL125-16Y／VEL125-16AY  
VEL150-16Y／VEL150-16AY

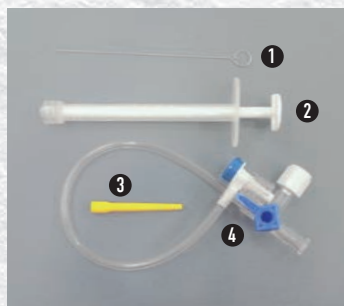
- 1. Stylet
- 2. 1cc Syringe
- 3. Y Connector

Max pressure is measured when the tip of catheter is fully open.

## Ordering Information & Lineup

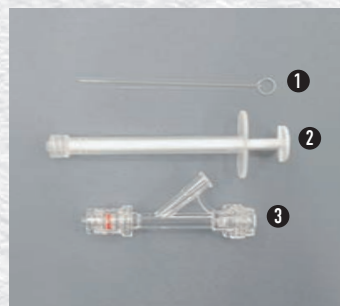
| Product      | Catalog No. | Usable Length | MC Length | O.D. of Distal Shaft/<br>O.D. of Proximal Shaft | I.D. of Distal Shaft/<br>I.D. of Proximal Shaft | Max. Guide Wire         | Hydrophilic Coating Length | Tip Shape | Max. Pressure          |
|--------------|-------------|---------------|-----------|-------------------------------------------------|-------------------------------------------------|-------------------------|----------------------------|-----------|------------------------|
| ASAHI Tellus | TLS105-16S  | 105 cm        | 112 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 65 cm                      | Straight  | 6895 kPa<br>(1000 psi) |
|              | TLS105-16AS | 105 cm        | 112 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 65 cm                      | Angle     | 6895 kPa<br>(1000 psi) |
|              | TLS125-16S  | 125 cm        | 132 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 65 cm                      | Straight  | 6895 kPa<br>(1000 psi) |
|              | TLS125-16AS | 125 cm        | 132 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 65 cm                      | Angle     | 6895 kPa<br>(1000 psi) |
|              | TLS150-16S  | 150 cm        | 157 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 100 cm                     | Straight  | 6895 kPa<br>(1000 psi) |
|              | TLS150-16AS | 150 cm        | 157 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 100 cm                     | Angle     | 6895 kPa<br>(1000 psi) |
|              | TLS105-16Y  | 105 cm        | 112 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 65 cm                      | Straight  | 6895 kPa<br>(1000 psi) |
|              | TLS105-16AY | 105 cm        | 112 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 65 cm                      | Angle     | 6895 kPa<br>(1000 psi) |
|              | TLS125-16Y  | 125 cm        | 132 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 65 cm                      | Straight  | 6895 kPa<br>(1000 psi) |
|              | TLS125-16AY | 125 cm        | 132 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 65 cm                      | Angle     | 6895 kPa<br>(1000 psi) |
|              | TLS150-16Y  | 150 cm        | 157 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 100 cm                     | Straight  | 6895 kPa<br>(1000 psi) |
|              | TLS150-16AY | 150 cm        | 157 cm    | 0.63/0.94 mm<br>(1.9/2.8 Fr)                    | 0.48/0.64 mm<br>(0.019/0.025 inch)              | 0.41 mm<br>(0.016 inch) | 100 cm                     | Angle     | 6895 kPa<br>(1000 psi) |

## Accessory



TLS105-16S / TLS105-16AS  
TLS125-16S / TLS125-16AS  
TLS150-16S / TLS150-16AS

1. Stylet
2. 1cc Syringe
3. Straightener
4. Hemostasis Valve



TLS105-16Y / TLS105-16AY  
TLS125-16Y / TLS125-16AY  
TLS150-16Y / TLS150-16AY

1. Stylet
2. 1cc Syringe
3. Y Connector

Max pressure is measured when the tip of catheter is fully open.

## Ordering Information & Lineup

| Product                    | Catalog No.     | Usable Length | MC Length | O.D. of Distal Shaft /<br>O.D. of Proximal Shaft | I.D. of Distal Shaft/<br>I.D. of Proximal Shaft | Max. Guide Wire     | Hydrophilic Coating Length | Tip Shape | Max. Pressure      |
|----------------------------|-----------------|---------------|-----------|--------------------------------------------------|-------------------------------------------------|---------------------|----------------------------|-----------|--------------------|
| ASAHI Masters PARKWAY SOFT | WMST105-18PWSF  | 105 cm        | 112 cm    | 0.66 mm(1.98 Fr)<br>0.94 mm(2.8 Fr)              | 0.52/0.55 mm<br>(0.020/0.022 inch)              | 0.46 mm(0.018 inch) | 65 cm                      | Straight  | 6895 kPa(1000 psi) |
|                            | WMST125-18PWSF  | 125 cm        | 132 cm    | 0.66 mm(1.98 Fr)<br>0.94 mm(2.8 Fr)              | 0.52/0.55 mm<br>(0.020/0.022 inch)              | 0.46 mm(0.018 inch) | 65 cm                      | Straight  | 6895 kPa(1000 psi) |
|                            | WMST150-18PWSF  | 150 cm        | 157 cm    | 0.66 mm(1.98 Fr)<br>0.94 mm(2.8 Fr)              | 0.52/0.55 mm<br>(0.020/0.022 inch)              | 0.46 mm(0.018 inch) | 100 cm                     | Straight  | 6895 kPa(1000 psi) |
|                            | WMST45A-18PWSSF | 105 cm        | 112 cm    | 0.66 mm(1.98 Fr)<br>0.94 mm(2.8 Fr)              | 0.52/0.55 mm<br>(0.020/0.022 inch)              | 0.46 mm(0.018 inch) | 65 cm                      | Angle 80° | 6895 kPa(1000 psi) |
|                            | WMST45A-18PWSF  | 125 cm        | 132 cm    | 0.66 mm(1.98 Fr)<br>0.94 mm(2.8 Fr)              | 0.52/0.55 mm<br>(0.020/0.022 inch)              | 0.46 mm(0.018 inch) | 65 cm                      | Angle 45° | 6895 kPa(1000 psi) |

| Product                  | Catalog No.  | Usable Length | MC Length | O.D. of Distal Shaft /<br>O.D. of Proximal Shaft | I.D. of Distal Shaft/<br>I.D. of Proximal Shaft | Max. Guide Wire     | Hydrophilic Coating Length | Tip Shape | Max. Pressure      |
|--------------------------|--------------|---------------|-----------|--------------------------------------------------|-------------------------------------------------|---------------------|----------------------------|-----------|--------------------|
| ASAHI Masters PARKWAY HF | WMST105-27HF | 105 cm        | 112 cm    | 0.88 mm(2.6 Fr)<br>0.93 mm(2.8 Fr)               | 0.66/0.69 mm<br>(0.026/0.027 inch)              | 0.53 mm(0.021 inch) | 65 cm                      | Straight  | 6895 kPa(1000 psi) |
|                          | WMST125-27HF | 125 cm        | 132 cm    | 0.88 mm(2.6 Fr)<br>0.93 mm(2.8 Fr)               | 0.66/0.69 mm<br>(0.026/0.027 inch)              | 0.53 mm(0.021 inch) | 65 cm                      | Straight  | 6895 kPa(1000 psi) |
|                          | WMST150-27HF | 150 cm        | 157 cm    | 0.88 mm(2.6 Fr)<br>0.93 mm(2.8 Fr)               | 0.66/0.69 mm<br>(0.026/0.027 inch)              | 0.53 mm(0.021 inch) | 100 cm                     | Straight  | 6895 kPa(1000 psi) |

Ordering Information & Lineup

| Product         | Catalog No.   | Usable Length | Shaft O.D.           | Radiopaque Length | Polymer Jacket Length | Hydrophilic Coating Length | Tip Shape    |
|-----------------|---------------|---------------|----------------------|-------------------|-----------------------|----------------------------|--------------|
| ASAHI Meister16 | WAMS-165-1645 | 165 cm        | 0.41 mm (0.016 inch) | 5 cm              | 160 cm                | 160 cm                     | Angle 45°    |
|                 | WAMS-180-1645 | 180 cm        | 0.41 mm (0.016 inch) | 5 cm              | 175 cm                | 175 cm                     | Angle 45°    |
|                 | WAMS-165-16WA | 165 cm        | 0.41 mm (0.016 inch) | 5 cm              | 160 cm                | 160 cm                     | Angle Double |
|                 | WAMS-180-16WA | 180 cm        | 0.41 mm (0.016 inch) | 5 cm              | 175 cm                | 175 cm                     | Angle Double |
|                 | WAMS-165-16ST | 165 cm        | 0.41 mm (0.016 inch) | 5 cm              | 160 cm                | 160 cm                     | Round Curve  |
|                 | WAMS-180-16ST | 180 cm        | 0.41 mm (0.016 inch) | 5 cm              | 175 cm                | 175 cm                     | Round Curve  |



Angled 45°



Angled double



Round curve

| Product        | Catalog No. | Usable Length | Shaft O.D.           | Radiopaque Length | Hydrophilic Coating Length | Tip Shape |
|----------------|-------------|---------------|----------------------|-------------------|----------------------------|-----------|
| ASAHI CHIKAI V | WCKV165-14  | 165 cm        | 0.36 mm (0.014 inch) | 5 cm              | 155 cm                     | Straight  |

Manufactured by:



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