



VASCULAR ACCESS
— DIRECT —

Performance and Versatility within reach

Ebony 0.014" RX

Ebony 0.014" OTW

Ebony 0.018" OTW

Ebony 0.035" OTW



Suitable for above and below the knee applications

Shaft configuration options:
 - RX or OTW
 - Coaxial or Dual lumen

Optimized folding process for low balloon profile

Excellent pushability to navigate through tortuous vasculature

Hydrophilic coating for enhanced trackability

Slender tapered & atraumatic tip design for higher flexibility

Technical Specifications	0.014" RX	0.014" OTW	0.018" OTW	0.035" OTW
Balloon material	Pebax	Pebax	Pebax	Pebax
Balloon diameter	1.5 to 8.0 mm	1.5 to 4.0 mm	2.0 to 7.0 mm	3.0 to 12.0 mm
Balloon length	10 to 200 mm	20 to 200 mm	40 to 200 mm	20 to 200 mm
Balloon folds	1.5 to 4.5 mm: 3 wings 5.0 to 8.0 mm: 6 wings	1.5 mm: 2 wings 2.0 to 4.0 mm: 3 wings	2.0 to 4.0 mm: 3 wings 5.0 to 7.0 mm: 6 wings	3.0 to 4.0 mm: 3 wings 5.0 to 12.0 mm: 6 wings
Usable shaft length	150 cm	120 cm, 150 cm	120 cm, 150 cm	80 cm, 130 cm, 150 cm
Tip entry profile	< 0.60 mm	< 0.60 mm	< 0.60 mm	< 1.10 mm
Guide wire compatibility	0.014"	0.014"	0.018"	0.035"
Guiding catheter compatibility	5F to 7F	5F	5F to 7F	7F to 9F
Delivery system	Rapid Exchange	Over the wire	Over the wire	Over the wire
Coating	Proglide	Proglide	Proglide	Proglide
Shelf life	3 years	3 years	3 years	3 years
Nominal pressure*	6 - 8 atm	6 - 8 atm	6 - 8 atm	5 - 8 atm
Rated burst pressure*	10 - 16 atm	12 - 16 atm	12 - 16 atm	10 - 14 atm
Average burst pressure*	14 - 20 atm	16 - 20 atm	16 - 20 atm	14 - 18 atm



**Broad Size
Matrix Available**

Size Matrix, Guiding Catheter & Sheath compatibility:

0.014" RX

Device when used with Guiding Catheter

Balloon Diameter (mm)	Guiding Catheter	Introducer Sheath													
		Balloon Length (mm)													
		10	15	20	25	30	35	40	60	80	100	120	150	200	
1.50	5F			5F	5F	5F	5F								
2.00	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	
2.50	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	
3.00	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	
3.50	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	
4.00	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	
4.50	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	
5.00	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	
5.50	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	6F	
6.00	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	
7.00	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	
8.00	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	

Device when used only with Introducer Sheath

Balloon Diameter (mm)	Introducer Sheath													
	Balloon Length (mm)													
	10	15	20	25	30	35	40	60	80	100	120	150	200	
1.50			4F	4F	4F	4F	4F							
2.00	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F
2.50	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F
3.00	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F
3.50	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F
4.00	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F
4.50	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	4F	5F	5F
5.00	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F
5.50	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F
6.00	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F
7.00	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F
8.00	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F	5F

Note: Guiding catheter is not used.

Dilation of lesions in:

Intended use (FDA)

iliac, femoral, popliteal, infrapopliteal, renal arteries.

Intended use (CE)

iliac, femoral, popliteal, infrapopliteal, renal and carotid arteries.

0.014" OTW

Device when used with Guiding Catheter

Balloon Diameter (mm)	Guiding Catheter	Introducer Sheath							
		Balloon Length (mm)							
		20	40	60	80	100	120	150	200
1.50	5F	5F							
2.00	5F		5F	5F	5F	5F	5F	5F	5F
2.50	5F		5F	5F	5F	5F	5F	5F	5F
3.00	5F		5F	5F	5F	5F	5F	5F	5F
3.50	5F		5F	5F	5F	5F	5F	5F	5F
4.00	5F		5F	5F	5F	5F	5F	5F	5F

Device when used only with Introducer Sheath

Balloon Diameter (mm)	Introducer Sheath								
	Balloon Length (mm)								
	20	40	60	80	100	120	150	200	
1.50	4F								
2.00		4F	4F	4F	4F	4F	4F	4F	4F
2.50		4F	4F	4F	4F	4F	4F	4F	4F
3.00		4F	4F	4F	4F	4F	4F	4F	4F
3.50		4F	4F	4F	4F	4F	4F	4F	4F
4.00		4F	4F	4F	4F	4F	4F	4F	4F

Note: Guiding catheter is not used.

Dilation of lesions in:

Intended use (FDA)

Femoral, popliteal and infrapopliteal arteries.

Intended use (CE)

iliac, femoral, ilio-femoral, popliteal, infrapopliteal, below the knee vessels and renal arteries.

For treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.



0.018" OTW

Device when used with Guiding Catheter

Balloon Diameter (mm)	Guiding Catheter	Introducer Sheath						
		Balloon Length (mm)						
		40	60	80	100	120	150	200
2.00	5F	5F	5F	5F	5F	5F	5F	5F
2.50	5F	5F	5F	5F	5F	5F	5F	5F
3.00	5F	5F	5F	5F	5F	5F	5F	5F
3.00	5F	5F	5F	5F	5F	5F	5F	5F
3.50	5F	5F	5F	5F	5F	5F	5F	5F
4.00	5F	5F	5F	5F	5F	5F	5F	5F
5.00	6F	6F	6F	6F	6F	6F	6F	6F
5.50	7F	7F	7F	7F	7F	7F	7F	7F
6.00	7F	7F	7F	7F	7F	7F	7F	7F
7.00	7F	7F						

Device when used only with Introducer Sheath

Balloon Diameter (mm)	Introducer Sheath						
	Balloon Length (mm)						
	40	60	80	100	120	150	200
2.00	4F	4F	4F	4F	4F	4F	4F
2.50	4F	4F	4F	4F	4F	4F	4F
3.00	4F	4F	4F	4F	4F	4F	4F
3.00	4F	4F	4F	4F	4F	4F	4F
3.50	4F	4F	4F	4F	4F	4F	4F
4.00	4F	4F	4F	4F	4F	4F	4F
5.00	4F	4F	4F	4F	4F	4F	4F
5.50	4F	4F	4F	4F	4F	4F	4F
6.00	5F	5F	5F	5F	5F	5F	5F
7.00	5F						

Note: Guiding catheter is not used.

Dilation of lesions in:

Intended use (FDA)

Iliac, femoral, ilio-femoral, popliteal, infra popliteal, renal arteries.

Intended use (CE)

Iliac, femoral, ilio-femoral, popliteal, infrapopliteal, below the knee vessels and renal arteries.

For treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

0.035" OTW

Device when used with Guiding Catheter

Balloon Diameter (mm)	Guiding Catheter	Introducer Sheath							
		Balloon Size							
		20	40	60	80	100	120	150	200
3.00	7F	7F	7F	7F	7F				
4.00	7F	7F	7F	7F	7F	7F	7F	7F	7F
5.00	7F	7F	7F	7F	7F	7F	7F	7F	7F
6.00	7F	7F	7F	7F	7F	7F	7F	7F	7F
7.00	7F	7F	7F	7F	7F	7F	7F	7F	7F
8.00	8F	8F	8F	8F	8F	8F	8F	8F	8F
9.00	8F	8F	8F	8F	8F				
10.00	9F	9F	9F	9F	9F				
12.00	9F	9F	9F	9F	9F				

Device when used only with Introducer Sheath

Balloon Diameter (mm)	Introducer Sheath							
	Balloon Size							
	20	40	60	80	100	120	150	200
3.00	5F	5F	5F	5F				
4.00	5F	5F	5F	5F	5F	5F	5F	5F
5.00	5F	5F	5F	5F	5F	5F	5F	5F
6.00	5F	5F	5F	5F	6F	6F	6F	6F
7.00	5F	5F	5F	5F	6F	6F	6F	6F
8.00	6F	6F	6F	6F	7F	7F	7F	7F
9.00	6F	6F	6F	6F				
10.00	7F	7F	7F	7F				
12.00	7F	7F	7F	7F				

Note: Guiding catheter is not used.

Dilation of lesions in:

Intended use (FDA)

Femoral, iliac, popliteal and renal arteries.

Intended use (CE)

Iliac, femoral, ilio-femoral, popliteal, infrapopliteal, below the knee vessels and renal arteries.

For treatment of obstructive lesions of native or synthetic arteriovenous dialysis fistulae.

