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Teleflex®

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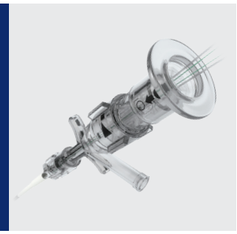


Guardian® II Hemostasis Valve

PRODUCT NO.	DESCRIPTION
8210	Guardian® II with Guidewire Insertion Tool
8211	Guardian® II with Guidewire Insertion Tool and VSI Torque Device
8215	Guardian® II NC with Guidewire Insertion Tool
8216	Guardian® II NC with Guidewire Insertion Tool and VSI Torque Device

Packaged in quantities of 25 units per box. Individual units are not sold separately.

The Guardian® Hemostasis Valves are intended to maintain hemostasis during the use of diagnostic or interventional devices. Guardian® Hemostasis Valves are indicated for maintaining a seal around diagnostic/interventional devices with outside diameters up to 8F (0.105" or 2.67mm) during diagnostic/interventional procedures. The torque device is provided as an aid for steering the guidewire within the vascular anatomy. The sidearm extension tubing included is provided to extend the sidearm of the Guardian® II or Guardian® II NC Hemostasis Valve.

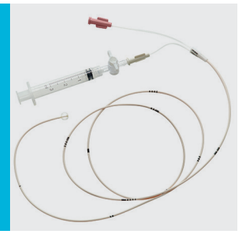
VSI Torque Device

PRODUCT NO.	DESCRIPTION
8181	VSI Torque Device

Packaged in quantities of 10 units per box. Individual units are not sold separately.

The VSI Torque Device is intended for use in manipulating a guidewire that is in the vasculature.

Catheters—Right Heart



Arrow® Balloon Wedge-Pressure Catheters

PRODUCT NO.	FRENCH SIZE	RECOM'D ARROW INTRODUCER SIZE	RECOM'D USEFUL LENGTH	BALLOON INFLATION CAPACITY*	INFLATED BALLOON DIAMETER	MAX. WIRE RECOM'D	MAX. INJECTION FLOW RATE†	MAX. INJECTION PRESSURE
Single Pressure Lumen Balloon Wedge-Pressure Catheters								
AI-07121	4 Fr.	5 Fr.	60 cm	0.60 cc	6 mm	0.021 in	N/A	N/A
AI-07122	4 Fr.	5 Fr.	110 cm	0.60 cc	6 mm	0.021 in	N/A	N/A
AI-07123	5 Fr.	5 Fr.	60 cm	0.75 cc	7 mm	0.025 in	N/A	N/A
AI-07124	5 Fr.	5 Fr.	110 cm	0.75 cc	7 mm	0.025 in	5 cc/sec	600 p.s.i.g.
AI-07125	6 Fr.	6 Fr.	60 cm	1.00 cc	9 mm	0.035 in	N/A	N/A
AI-07126	6 Fr.	6 Fr.	110 cm	1.00 cc	9 mm	0.035 in	6 cc/sec	600 p.s.i.g.
AI-07126-J	6 Fr.	6 Fr.	90 cm	1.00 cc	9 mm	0.035 in	N/A	N/A
AI-07127	7 Fr.	7 Fr.	110 cm	1.25 cc	10 mm	0.038 in	6 cc/sec	600 p.s.i.g.
AI-07127-STC	7 Fr.	7 Fr.	110 cm	1.25 cc	10 mm	0.038 in	N/A	N/A
AI-07128	8 Fr.	8 Fr.	110 cm	1.25 cc	10 mm	0.038 in	N/A	N/A
Double Pressure Lumen Balloon Wedge-Pressure Catheters								
AI-07025	5 Fr.	5 Fr.	80 cm	1.00 cc	8 mm	0.018 in	Proximal port exits 3 cm from tip	
AI-07026	6 Fr.	6 Fr.	110 cm	1.00 cc	8 mm	0.021 in	Proximal port exits 3 cm from tip	
AI-07141	6 Fr.	6 Fr.	110 cm	1.00 cc	8 mm	0.021 in	Proximal port exits 20 cm from tip	
AI-07027	7 Fr.	7 Fr.	110 cm	1.50 cc	12 mm	0.025 in	Proximal port exits 3 cm from tip	
AI-07143	7 Fr.	7 Fr.	110 cm	1.50 cc	12 mm	0.025 in	Proximal port exits 30 cm from tip	

*CO_2 must be used to inflate the balloon if there is a possibility that the balloon rupture would result in air embolism in the left heart or systemic circulations. See Instructions for Use prior to using air. Do not use any liquid to inflate balloon.

†Measured using contrast media with a viscosity of 8.4 cP/mPas at 37° C (at body temperature).

Packaged in quantities of 1 unit per case.

The Arrow® Balloon Wedge-Pressure Catheter is indicated for use in sampling blood for oxygen levels and measuring pressures in the right heart (including central venous pressure, right ventricular pressure, pulmonary artery pressure, and pulmonary artery wedge pressure). In the case of anatomical cardiac defects the catheter may be used in any chamber which can be entered from the right heart. The Arrow® Balloon Wedge-Pressure Catheter is also indicated for use in balloon occlusion femoral angiography (BOFA) of the contralateral leg for adult patients. The Arrow® Double-Lumen Balloon Wedge-Pressure Catheter is indicated for use in sampling blood for oxygen levels and measuring pressures in the right heart (including central venous pressure, right ventricular pressure, pulmonary artery pressure, and pulmonary artery wedge pressure). In the case of anatomical cardiac defects the catheter may be used in any chamber which can be entered from the right heart. In the Arrow® Double-Lumen Balloon Wedge-Pressure Catheter the second pressure lumen allows infusion of a solution with simultaneous measurement of pressure.

Arrow® Berman Angiographic Catheters

PRODUCT NO.	FRENCH SIZE	RECOM'D ARROW INTRODUCER SIZE	RECOM'D USEFUL LENGTH	BALLOON INFLATION CAPACITY	INFLATED BALLOON DIAMETER	MAX. WIRE RECOM'D	MAX. FLOW RATE*	MAX. INJECTION PRESSURE*
Berman Angiographic Catheters for Balloon Occlusion Femoral Angiography (BOFA) Ipsilateral Approach								
AI-07134	4 Fr.	5 Fr.	50 cm	0.60 cc	6 mm	0.021 in	6 cc/sec	600 p.s.i.g.
AI-07130	5 Fr.	5 Fr.	50 cm	0.75 cc	7 mm	0.032 in	15 cc/sec	540 p.s.i.g.
AI-07130-J	5 Fr.	5 Fr.	60 cm	0.75 cc	7 mm	0.032 in	13 cc/sec	540 p.s.i.g.
AI-07135	5 Fr.	5 Fr.	80 cm	0.75 cc	7 mm	0.032 in	12 cc/sec	540 p.s.i.g.
AI-07131	6 Fr.	6 Fr.	60 cm	1.00 cc	9 mm	0.035 in	20 cc/sec	650 p.s.i.g.
AI-07136	6 Fr.	6 Fr.	90 cm	1.00 cc	9 mm	0.035 in	18 cc/sec	650 p.s.i.g.
AI-07132	7 Fr.	7 Fr.	90 cm	1.25 cc	10 mm	0.038 in	24 cc/sec	700 p.s.i.g.
AI-07137	7 Fr.	7 Fr.	110 cm	1.25 cc	10 mm	0.038 in	24 cc/sec	600 p.s.i.g.
AI-07138	8 Fr.	8 Fr.	70 cm	1.25 cc	10 mm	0.038 in	42 cc/sec	750 p.s.i.g.
AI-07133	8 Fr.	8 Fr.	110 cm	1.25 cc	10 mm	0.038 in	35 cc/sec	800 p.s.i.g.
Reverse Arrow-Berman Catheter for Selective Pulmonary Occlusion Angiography Studies								
AI-07035	5 Fr.	5 Fr.	80 cm	1.25 cc	10 mm	0.032 in	8 cc/sec	540 p.s.i.g.
AI-07037	7 Fr.	7 Fr.	110 cm	1.50 cc	10 mm	0.038 in	20 cc/sec	700 p.s.i.g.

*Measured using contrast media with a viscosity of 8.4 centipoise with 2-second injection time.

Packaged in quantities of 5 sets per case.

The Arrow® Berman Angiographic Catheter is indicated for use in right heart catheterization for cardiac angiography, and measurement of the right heart and pulmonary artery pressures. It can be used to inject radiopaque media and measure pressures in any chamber or vessel that can be entered from the right heart. The Arrow® Berman Angiographic Catheter is also indicated for use in Balloon Occlusion Femoral Angiography (BOFA) of the ipsilateral leg for adult patients.

Arrow® Temporary Pacing Catheters and Kits

PRODUCT NO.	FRENCH SIZE	INTRODUCER INCLUDED	RECOM'D USEFUL LENGTH	INFLATED BALLOON CAPACITY	BALLOON INFLATION DIAMETER	ELECTRODE WIDTH	ELECTRODE SPACING	LIDOCAINE IN KIT
Balloon Flotation Catheter Kits								
AI-07155-KS	5 Fr.	6 Fr.	110 cm	0.75 cc	7 mm	5 mm	25 mm	Yes
AI-07155-IK†	5 Fr.	6 Fr.	110 cm	0.75 cc	7 mm	5 mm	25 mm	No
Torque-Directed Catheter Kits								
AI-06210-KS	6 Fr.	7 Fr.	110 cm	N/A	N/A	2 mm*	10 mm	Yes
AI-06210-IK†	6 Fr.	7 Fr.	110 cm	N/A	N/A	2 mm*	10 mm	No
Balloon Flotation Catheters								
AI-07155†	5 Fr.	6 Fr.	110 cm	0.75 cc	7 mm	5 mm	25 mm	N/A
AI-07155-S	5 Fr.	6 Fr.	110 cm	0.75 cc	7 mm	5 mm	25 mm	N/A
AI-07154†	5 Fr.	6 Fr.	105 cm	0.75 cc	7 mm	5 mm	15 mm	N/A
Torque-Directed Catheters								
AI-05210†	5 Fr.	5 Fr.	110 cm	N/A	N/A	2 mm*	10 mm	N/A
AI-05210-S	5 Fr.	5 Fr.	110 cm	N/A	N/A	2 mm*	10 mm	N/A
AI-05225†	5 Fr.	5 Fr.	110 cm	N/A	N/A	2 mm*	25 mm	N/A
AI-06210†	6 Fr.	6 Fr.	110 cm	N/A	N/A	2 mm*	10 mm	N/A
AI-06210-S	6 Fr.	6 Fr.	110 cm	N/A	N/A	2 mm*	10 mm	N/A
AI-06225†	6 Fr.	6 Fr.	110 cm	N/A	N/A	2 mm*	25 mm	N/A
Balloon Flotation Pacing Catheter with Two Pressure Lumens								
AI-17210-S	7 Fr.	7 Fr.	110 cm	1.5 cc	12 mm	2 mm	10 mm	N/A

Products with "S" or "KS" have shrouded connectors for sale in the U.S.

All catheter tips have right heart curves

*Indicates the electrode width is 2 mm proximal and 1.6 mm distal

†Indicates product for sale outside of U.S.

Packaged in quantities of 5 kits per case. Individual units are not sold separately.

The Arrow® Temporary Pacing Catheter is indicated for use in temporary transvenous ventricular cardiac pacing when impulse formation or conduction is impaired.

Arrow® ASK Temporary Pacing Catheter Kits

PRODUCT NO.	FRENCH SIZE	INTRODUCER INCLUDED	RECOMMENDED USEFUL LENGTH	INFLATED BALLOON CAPACITY	ELECTRODE WIDTH	ELECTRODE SPACING	LIDOCAINE IN KIT
ASK-07155-UPM	5 Fr.	6 Fr.	110 cm	0.75 cc	5 mm	25 mm	Yes

Offered through Select Kits Program. Contact your local Teleflex Representative for more information.

Arrow® Thermodilution Catheters

PRODUCT NO.	FRENCH SIZE	HEPARIN COATED	USEFUL LENGTH	NO. OF LUMENS	CATHETER BODY STYLE	RECOM'D ARROW INTRODUCER SIZE	BALLOON INFLATION CAPACITY	INFLATED BALLOON DIAMETER	MAXIMUM WIRE FOR INSERTION	CVP PROXIMAL LUMEN PORT DISTANCE FROM TIP	INFUSION LUMEN PORT DISTANCE FROM TIP
Four Lumen											
AI-07044	4 Fr.	No	75 cm	4	T	5 Fr.	0.75 cc	6 mm	0.014 in	10 cm	N/A
AI-07165	5 Fr.	No	80 cm	4	T	5 Fr.	1.0 cc	8 mm	0.018 in	15 cm	N/A
AI-07167	7 Fr.	No	110 cm	4	T	7 Fr.	1.5 cc	12 mm	0.025 in	29 cm	N/A
AI-07365-NHL	6 Fr.	No	110 cm	4	T	6 Fr.	1.0 cc	8 mm	0.021 in	29 cm	N/A
AI-07367	7 Fr.	No	110 cm	4	F	7 Fr.	1.5 cc	12 mm	0.025 in	29 cm	N/A
AI-07368-NHF	7 Fr.	No	110 cm	4	FL	7 Fr.	1.5 cc	12 mm	0.025 in	29 cm	N/A
Five Lumen with Infusion											
AI-07377-NH	7.5 Fr.	No	110 cm	5	FL	8 Fr.	1.5 cc	12 mm	0.025 in	29 cm	31 cm
A-07377-NH	7.5 Fr.	No	110 cm	5	F	8 Fr.	1.5 cc	12 mm	0.025 in	29 cm	31 mm

Catheter body style: T – Higher Torque Control, FL – Flexi Torque (mid-range), and F – Flotation (softest)

Each package includes: Thermistor catheter, control stroke syringe, non-vented dust cap and extension line clamps.

Packaged in quantities of 5 kits per case.

The Arrow® Thermodilution Catheter is indicated for use in measuring cardiac output by the thermodilution method. In addition, the thermodilution catheter can be used to measure right atrial pressure, right ventricular pressure, pulmonary artery pressure, pulmonary capillary wedge pressure, and continuous infusion of solutions.

Langston® Dual Lumen Catheters

PRODUCT NO.	DESCRIPTION	TOTAL LENGTH	WORKING LENGTH	O.D.	INNER LUMEN	PROXIMAL MARKER BAND	GUIDEWIRE COMPATIBILITY	# OUTER LUMEN SIDEHOLES	# INNER LUMEN SIDEHOLES	INNER LUMEN M.P.R.[2]	MAX FLOW RATE[3]
5515	145° Pigtail	125 cm	117.5 cm	7 Fr.	5 Fr.	0	≤0.038"	8	5	1200 psi	17 mL/s
5540	145° Pigtail	110 cm	102 cm	6 Fr.	5 Fr.[1]	0	≤0.038"	8	5	1000 psi	13 mL/s
5545	145° Pigtail, 5 marker bands	125 cm	117.5 cm	6 Fr.	5 Fr.[1]	5	≤0.038"	8	5	1000 psi	12 mL/s
5550	Multipurpose A2	102 cm	94.5 cm	6 Fr.	4 Fr.	0	≤0.038"	8	2	1000 psi	14 mL/s

[1]5F Pigtail section with 4 Fr. shaft.

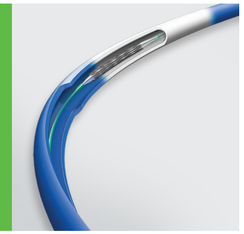
[2]Maximum pressure rating.

[3]Flow rates achieved at 4.7 cP. Actual results may vary.

Packaged in quantities of 5 units per box. Individual units are not sold separately.

Langston® Dual Lumen Catheters are indicated for delivery of contrast medium in angiographic studies and for simultaneous pressure measurement from two sites. This type of pressure measurement is useful in determining transvalvular, intravascular and intraventricular pressure gradients.

Catheters—Specialty



GuideLiner® V3 Catheter

PRODUCT NO.	SIZE	REQUIRED GUIDE CATHETER I.D.	PUSHROD O.D.	GUIDE EXTENSION I.D.	TIP O.D.	RAPID EXCHANGE LENGTH	WORKING LENGTH
5569	5 Fr.	5 Fr. I.D. ≥0.056" (1.42 mm)	0.010" (0.25 mm)	0.046" (1.17 mm)	4.0 Fr. (1.35 mm / 0.053")	25 cm	150 cm
5570	5.5 Fr.	6 Fr. I.D. ≥0.066" (1.68 mm)	0.012" (0.30 mm)	0.051" (1.30 mm)	4.8 Fr. (1.60 mm / 0.063")	25 cm	150 cm
5571	6 Fr.	6 Fr. I.D. ≥0.070" (1.78 mm)	0.012" (0.30 mm)	0.056" (1.42 mm)	5.1 Fr. (1.70 mm / 0.067")	25 cm	150 cm
5572	7 Fr.	7 Fr. I.D. ≥0.078" (1.98 mm)	0.012" (0.30 mm)	0.062" (1.57 mm)	5.7 Fr. (1.90 mm / 0.075")	25 cm	150 cm
5573	8 Fr.	8 Fr. I.D. ≥0.088" (2.24 mm)	0.012" (0.30 mm)	0.071" (1.80 mm)	6.5 Fr. (2.16 mm / 0.085")	25 cm	150 cm

Packaged in quantities of 1 unit per box.

GuideLiner® Catheters are intended to be used in conjunction with guide catheters to access discrete regions of the coronary and/or peripheral vasculature, and to facilitate placement of interventional devices.

Minnie® Support Catheter

PRODUCT NO.	MAXIMUM GUIDEWIRE DIAMETER	WORKING LENGTH	MINIMUM GUIDE CATHETER	PROXIMAL SHAFT		DISTAL SHAFT		DISTAL TIP	
				I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
0.014"									
5700	0.014"	135 cm	5 Fr.	1.5 Fr. (0.019" / 0.48 mm)	3.1 Fr. (1.02 mm / 0.040")	1.3 Fr. (0.017" / 0.42 mm)	2 Fr. (0.66 mm / 0.026")	1.2 Fr. (0.016" / 0.41 mm)	1.6 Fr. (0.53 mm / 0.021")
5710	0.014"	135 cm	5 Fr.						
5701	0.014"	150 cm	5 Fr.						
5711	0.014"	150 cm	5 Fr.						
0.018"									
5702	0.018"	90 cm	6 Fr.	1.8 Fr. (0.024" / 0.61 mm)	3.4 Fr. (1.14 mm / 0.045")	1.6 Fr. (0.021" / 0.53 mm)	2.3 Fr. (0.76 mm / 0.030")	1.5 Fr. (0.020" / 0.51 mm)	1.8 Fr. (0.61 mm / 0.024")
5703	0.018"	135 cm	6 Fr.						
5704	0.018"	150 cm	6 Fr.						
0.035"									
5706	0.035"	90 cm	6 Fr.	3.1 Fr. (0.041" / 1.04 mm)	4.9 Fr. (1.63 mm / 0.064")	3 Fr. (0.039" / 0.99 mm)	3.8 Fr. (1.27 mm / 0.050")	2.8 Fr. (0.037" / 0.94 mm)	3.2 Fr. (1.07 mm / 0.042")
5707	0.035"	135 cm	6 Fr.						
5712	0.035"	135 cm	6 Fr.						
5708	0.035"	150 cm	6 Fr.						
5713	0.035"	150 cm	6 Fr.						

5710, 5711, 5712 and 5713 packaged in quantities of 5 units per box. All others packaged in quantities of 1 unit per box.

The Minnie® Support Catheters are intended to be used in conjunction with steerable guidewires in order to access discrete regions of the arterial and/or coronary vasculature. They may be used to facilitate placement and exchange of guidewires and other interventional devices. The Minnie® Support Catheters also may be used to subselectively infuse/deliver therapeutic agents.

SuperCross™ 0.014" Microcatheters

PRODUCT NO.	TYPE	GUIDEWIRE COMPATIBILITY	DISTAL TIP	WORKING LENGTH	SHAFT CONSTRUCTION	DISTAL O.D.	PROXIMAL O.D.	DISTAL I.D.	PROXIMAL I.D.	HYDROPHILIC COATING
5302	OTW	0.014"	45°	130 cm	Coiled	2.4 Fr. (0.79 mm / 0.031")	3.2 Fr. (1.07 mm / 0.042")	0.017" (0.43 mm)	0.018" (0.46 mm)	Distal 80 cm
5303	OTW	0.014"	45°	150 cm	Coiled					
5304	OTW	0.014"	90°	130 cm	Coiled					
5305	OTW	0.014"	90°	150 cm	Coiled					
5306	OTW	0.014"	120°	130 cm	Coiled					
5307	OTW	0.014"	120°	150 cm	Coiled					
5308	OTW	0.014"	90° XT	130 cm	Coiled					
5309	OTW	0.014"	90° XT	150 cm	Coiled					
5300	OTW	0.014"	Straight	130 cm	Braided	1.8 Fr. (0.61 mm / 0.024")	2.5 Fr. (0.84 mm / 0.033")	0.017" (0.43 mm)	0.021" (0.53 mm)	Distal 40 cm
5301	OTW	0.014"	Straight	150 cm	Braided					
5340	OTW	0.014"	FT	130 cm	Braided	1.8 Fr. (0.61 mm / 0.024")	2.5 Fr. (0.84 mm / 0.033")	0.017" (0.43 mm)	0.021" (0.53 mm)	Distal 40 cm
5341	OTW	0.014"	FT	150 cm	Braided					

FT = Flexible Tip I XT = Extended Tip

Packaged in quantities of 1 unit per box.

The SuperCross™ microcatheters are intended to be used in conjunction with steerable guidewires to access discrete regions of the coronary and/or peripheral vasculature. It may be used to facilitate placement and exchange of guidewires and other interventional devices and to subselectively infuse/deliver diagnostic and therapeutic agents.

TrapLiner® Catheter

PRODUCT NO.	SIZE	MINIMUM GUIDE CATHETER SIZE	MAXIMUM GUIDE CATHETER SIZE	PUSH ROD O.D.	GUIDE EXTENSION I.D.	TIP O.D.	RAPID EXCHANGE LENGTH	NOMINAL PRESSURE RATING	RATED BURST PRESSURE
5566	6 Fr.	6 Fr. (0.070" / 1.78 mm I.D.)	8 Fr. (0.091" / 2.31 mm I.D.)	0.020" (0.51 mm)	0.056" (1.42 mm)	5.1 Fr. (1.70 mm / 0.067")	13 cm	12atm / 1216 kPa	14atm / 1419 kPa
5567	7 Fr.	7 Fr. (0.078" / 1.98 mm I.D.)	8 Fr. (0.091" / 2.31 mm I.D.)	0.025" (0.64 mm)	0.062" (1.57 mm)	5.7 Fr. (1.90 mm / 0.075")	13 cm	12atm / 1216 kPa	14atm / 1419 kPa
5568	8 Fr.	8 Fr. (0.088" / 2.24 mm I.D.)	8 Fr. (0.091" / 2.31 mm I.D.)	0.025" (0.64 mm)	0.071" (1.80 mm)	6.5 Fr. (2.16 mm / 0.085")	13 cm	12atm / 1216 kPa	14atm / 1419 kPa

Packaged in quantities of 1 unit per box.

The TrapLiner® Catheter is intended for use in conjunction with guide catheters to access discrete regions of the coronary and/or peripheral vasculature, to facilitate placement of interventional devices, and to facilitate the exchange of an interventional device while maintaining the position of a guidewire within the vasculature.

Turnpike® Catheters

PRODUCT NO.	DESCRIPTION	WORKING LENGTH	PROXIMAL SHAFT O.D.	DISTAL SHAFT O.D.	DISTAL TIP O.D.	COMPATIBLE GUIDEWIRE DIAMETER	COMPATIBLE GUIDE CATHETER SIZE
5642	Turnpike®	135 cm	2.9 Fr. (0.97 mm / 0.038")	2.6 Fr. (0.86 mm / 0.034")	1.6 Fr. (0.53 mm / 0.021")	≤0.014" (0.36 mm)	≥5 Fr. (≥1.42 mm / 0.056" I.D.)
5643	Turnpike®	150 cm	2.9 Fr. (0.97 mm / 0.038")	2.6 Fr. (0.86 mm / 0.034")	1.6 Fr. (0.53 mm / 0.021")	≤0.014" (0.36 mm)	≥5 Fr. (≥1.42 mm / 0.056" I.D.)
5638	Turnpike® LP	135 cm	2.9 Fr. (0.97 mm / 0.038")	2.2 Fr. (0.74 mm / 0.029")	1.6 Fr. (0.53 mm / 0.021")	≤0.014" (0.36 mm)	≥5 Fr. (≥1.42 mm / 0.056" I.D.)
5639	Turnpike® LP	150 cm	2.9 Fr. (0.97 mm / 0.038")	2.2 Fr. (0.74 mm / 0.029")	1.6 Fr. (0.53 mm / 0.021")	≤0.014" (0.36 mm)	≥5 Fr. (≥1.42 mm / 0.056" I.D.)
5640	Turnpike® Spiral	135 cm	2.9 Fr. (0.97 mm / 0.038")	2.9 Fr. (0.97 mm / 0.038")	1.6 Fr. (0.53 mm / 0.021")	≤0.014" (0.36 mm)	≥5 Fr. (≥1.42 mm / 0.056" I.D.)
5641	Turnpike® Spiral	150 cm	2.9 Fr. (0.97 mm / 0.038")	2.9 Fr. (0.97 mm / 0.038")	1.6 Fr. (0.53 mm / 0.021")	≤0.014" (0.36 mm)	≥5 Fr. (≥1.42 mm / 0.056" I.D.)
5621	Turnpike® Gold	135 cm	2.9 Fr. (0.97 mm / 0.038")	2.9 Fr. (0.97 mm / 0.038")	2.1 Fr. (0.71 mm / 0.028")	≤0.014" (0.36 mm)	≥5 Fr. (≥1.42 mm / 0.056" I.D.)
5622	Turnpike® Gold	150 cm	2.9 Fr. (0.97 mm / 0.038")	2.9 Fr. (0.97 mm / 0.038")	2.1 Fr. (0.71 mm / 0.028")	≤0.014" (0.36 mm)	≥5 Fr. (≥1.42 mm / 0.056" I.D.)

Packaged in quantities of 1 unit per box.

The Turnpike® Catheters are intended to be used to access discrete regions of the coronary and/or peripheral vasculature. They may be used to facilitate placement and exchange of guidewires and to subselectively infuse/deliver diagnostic and therapeutic agents.

Twin-Pass® Dual Access Catheters

PRODUCT NO.	DESCRIPTION	WORKING LENGTH	GUIDEWIRE COMPATIBILITY	OTW LUMEN EXIT PORT DEFLECTION ANGLE	GUIDE CATHETER COMPATIBILITY	DUAL-LUMEN O.D.	DISTAL TIP O.D.	DISTAL TIP LENGTH
5200	Twin-Pass®	135 cm	≤0.014" (0.36 mm)	0°	≥5 Fr. (≥0.056" / 1.42 mm I.D.)	3.4 Fr. x 2.7 Fr. (1.14 mm / 0.045" x 0.91 mm / 0.036")	2 Fr. (0.66 mm / 0.026")	20 mm
5201	Twin-Pass® Torque	135 cm	≤0.014" (0.36 mm)	10°	≥5 Fr. (≥0.056" / 1.42 mm I.D.)	3.5 Fr. x 3.5 Fr. (1.17 mm / 0.046")	2.1 Fr. (0.71 mm / 0.028")	7 mm

Packaged in quantities of 1 unit per box.

The Twin-Pass® Torque Catheter is intended to access discrete regions of the coronary and/or peripheral vasculature. It may be used to facilitate placement and exchange of guidewires and to subselectively infuse/deliver diagnostic and therapeutic agents. The Twin-Pass® Catheters are intended to be used in conjunction with steerable guidewires in order to access discrete regions of the coronary and peripheral arterial vasculature, to facilitate placement and exchange of guidewires and other interventional devices, and for use during two guidewire procedures. The Twin-Pass® Catheters are also used to subselectively infuse/deliver diagnostic or therapeutic agents.

Venture® 0.014" Catheters

PRODUCT NO.	GUIDEWIRE COMPATIBILITY	GUIDE CATHETER COMPATIBILITY	RAPID EXCHANGE SEGMENT	WORKING LENGTH	RADIOPAQUE TIP	HYDROPHILIC COATING	DEFLECTABLE TIP O.D.	MAX SHAFT O.D.	I.D.
5820-Rapid Exchange (RX)	≤0.014" (0.36 mm)	6 Fr. (1.7 mm)	30 cm	144.5 cm	8 mm	Distal 24 cm	0.0295" (0.75 mm)	4.1 Fr. (0.054" / 1.37 mm) Transition Collar O.D.	0.015" (0.38 mm)
5821-Over-the-Wire (OTW)	≤0.014" (0.36 mm)	6 Fr. (1.7 mm)	N/A	139.5 cm	8 mm	Distal 45 cm	0.0295" (0.75 mm)	4 Fr. (0.052" / 1.32 mm) Proximal O.D.	0.015" (0.38 mm)

Packaged in quantities of 1 unit per box.

The Venture® 0.014" Catheter is indicated for directing, steering, controlling, and supporting a guidewire to access discrete regions of the coronary and peripheral vasculature. The OTW version may also be used for manual delivery of saline solution or diagnostic contrast agents.

Chronic Hemodialysis Catheters

Arrow-Clark™ VectorFlow® Chronic Catheter Kits

PRODUCT NO.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH
Retrograde		
CS-15192-VF	15 Fr. x 19 cm Retrograde Radiopaque Polyurethane Catheter	19 cm
CS-15232-VF	15 Fr. x 23 cm Retrograde Radiopaque Polyurethane Catheter	23 cm
CS-15272-VF	15 Fr. x 27 cm Retrograde Radiopaque Polyurethane Catheter	27 cm
CS-15312-VF	15 Fr. x 31 cm Retrograde Radiopaque Polyurethane Catheter	31 cm
CS-15422-VF	15 Fr. x 42 cm Retrograde Radiopaque Polyurethane Catheter	42 cm
CS-15552-VF	15 Fr. x 55 cm Retrograde Radiopaque Polyurethane Catheter	55 cm
Antegrade		
CS-15192-VFI	15 Fr. x 19 cm Antegrade Radiopaque Polyurethane Catheter	19 cm
CS-15232-VFI	15 Fr. x 23 cm Antegrade Radiopaque Polyurethane Catheter	23 cm
CS-15272-VFI	15 Fr. x 27 cm Antegrade Radiopaque Polyurethane Catheter	27 cm
CS-15312-VFI	15 Fr. x 31 cm Antegrade Radiopaque Polyurethane Catheter	31 cm
CS-15422-VFI	15 Fr. x 42 cm Antegrade Radiopaque Polyurethane Catheter	42 cm
CS-15552-VFI	15 Fr. x 55 cm Antegrade Radiopaque Polyurethane Catheter	55 cm
Retrograde with Arrow Simplicity® Kit		
CS-15192-VFM	15 Fr. x 19 cm Retrograde Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	19 cm
CS-15232-VFM	15 Fr. x 23 cm Retrograde Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	23 cm
CS-15272-VFM	15 Fr. x 27 cm Retrograde Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	27 cm
CS-15312-VFM	15 Fr. x 31 cm Retrograde Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	31 cm
Antegrade with Arrow Simplicity® Kit		
CS-15192-VFIM	15 Fr. x 19 cm Antegrade Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	19 cm
CS-15232-VFIM	15 Fr. x 23 cm Antegrade Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	23 cm
CS-15272-VFIM	15 Fr. x 27 cm Antegrade Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	27 cm
CS-15312-VFIM	15 Fr. x 31 cm Antegrade Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	31 cm
Retrograde Hub Replacements		
VF-15192	Arrow-Clark™ VectorFlow® Replacement Hub for part # CS-15192-VFM (19 cm)	19 cm
VF-15232	Arrow-Clark™ VectorFlow® Replacement Hub for part # CS-15232-VFM (23 cm)	23 cm
VF-15272	Arrow-Clark™ VectorFlow® Replacement Hub for part # CS-15272-VFM (27 cm)	27 cm
VF-15312	Arrow-Clark™ VectorFlow® Replacement Hub for part # CS-15312-VFM (31 cm)	31 cm

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PRODUCT NO.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH
Antegrade Access Center Sets		
ACS-15192-VFI	15 Fr. × 19 cm Antegrade Radiopaque Polyurethane Catheter	19 cm
ACS-15232-VFI	15 Fr. × 23 cm Antegrade Radiopaque Polyurethane Catheter	23 cm
ACS-15272-VFI	15 Fr. × 27 cm Antegrade Radiopaque Polyurethane Catheter	27 cm
ACS-15312-VFI	15 Fr. × 31 cm Antegrade Radiopaque Polyurethane Catheter	31 cm
ACS-15422-VFI	15 Fr. × 42 cm Antegrade Radiopaque Polyurethane Catheter	42 cm
ACS-15552-VFI	15 Fr. × 55 cm Antegrade Radiopaque Polyurethane Catheter	55 cm
Retrograde Access Center Sets		
ACS-15192-VF	15 Fr. × 19 cm Retrograde Radiopaque Polyurethane Catheter	19 cm
ACS-15232-VF	15 Fr. × 23 cm Retrograde Radiopaque Polyurethane Catheter	23 cm
ACS-15272-VF	15 Fr. × 27 cm Retrograde Radiopaque Polyurethane Catheter	27 cm
ACS-15312-VF	15 Fr. × 31 cm Retrograde Radiopaque Polyurethane Catheter	31 cm
ACS-15422-VF	15 Fr. × 42 cm Retrograde Radiopaque Polyurethane Catheter	42 cm
ACS-15552-VF	15 Fr. × 55 cm Retrograde Radiopaque Polyurethane Catheter	55 cm

Packaged in quantities of 1 unit per box.

The Arrow-Clark™ VectorFlow® Antegrade Catheter is indicated for use in attaining long-term vascular access for hemodialysis and apheresis. The Arrow-Clark™ VectorFlow® Antegrade Catheter is inserted percutaneously and is preferentially placed into the internal jugular (IJ) vein. Alternately, this catheter may be inserted into the subclavian vein although the jugular vein is the preferred site. Catheters greater than 40 cm are intended for femoral vein insertion. The Arrow-Clark™ VectorFlow® Antegrade Catheter is intended for use in adult patients. The Arrow-Clark™ VectorFlow® Retrograde Catheter is indicated for use in attaining long-term vascular access for hemodialysis and apheresis. The Arrow-Clark™ VectorFlow® Retrograde Catheter is inserted percutaneously and is preferentially placed into the internal jugular (IJ) vein. Alternately, this catheter may be inserted into the subclavian vein although the jugular vein is the preferred site. Catheters greater than 40 cm are intended for femoral vein insertion. The Arrow-Clark™ VectorFlow® Retrograde Catheter is intended for use in adult patients.

Arrow® Cannon® Chronic Catheter Sets

PRODUCT NO.	DESCRIPTION
Arrow® Cannon® Retrograde Tunneled, Chronic Hemodialysis Catheter, Access Center Sets	
CSD-15242-SP	15 Fr. × 19 cm Split Tip Polyurethane Catheter
CSD-15282-SP	15 Fr. × 23 cm Split Tip Polyurethane Catheter
CSD-15322-SP	15 Fr. × 23 cm Split Tip Polyurethane Catheter
CSD-15362-SP	15 Fr. × 31 cm Split Tip Polyurethane Catheter
CSD-15552-SP	15 Fr. × 50 cm Split Tip Polyurethane Catheter

Packaged in quantities of 1 unit per box.

PRODUCT NO.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH
Arrow® Cannon® II Plus Hemodialysis Catheterization Kit and Arrow Simplicity Combination Product		
CS-15242-SPM	Arrow® Cannon® 15 Fr. × 9.5" (24 cm) Radiopaque Polyurethane Catheter 21 Ga. Micro-Introducer Set	19 cm
CS-15282-SPM	Arrow® Cannon® 15 Fr. × 11" (28 cm) Radiopaque Polyurethane Catheter 21 Ga. Micro-Introducer Set	23 cm
CS-15322-SPM	Arrow® Cannon® 15 Fr. × 12.5" (32 cm) Radiopaque Polyurethane Catheter 21 Ga. Micro-Introducer Set	27 cm
CS-15362-SPM	Arrow® Cannon® 15 Fr. × 14" (36 cm) Radiopaque Polyurethane Catheter 21 Ga. Micro-Introducer Set	31 cm
Arrow® Cannon® II Plus Hemodialysis Catheterization KIts		
CS-15242-VSP	Arrow® Cannon® 15 Fr. × 9.5" (24 cm) Radiopaque Polyurethane Catheter	19 cm
CS-15282-VSP	Arrow® Cannon® 15 Fr. × 11" (28 cm) Radiopaque Polyurethane Catheter	23 cm
CS-15322-VSP	Arrow® Cannon® 15 Fr. × 12.5" (32 cm) Radiopaque Polyurethane Catheter	27 cm
CS-15362-VSP	Arrow® Cannon® 15 Fr. × 14" (36 cm) Radiopaque Polyurethane Catheter	31 cm
CS-15552-VSP*	Arrow® Cannon® 15 Fr. × 22" (55 cm) Radiopaque Polyurethane Catheter	50 cm

*Contains .038" × 120 cm Wire Guide.

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PRODUCT NO.	DESCRIPTION
Arrow® Cannon® II Plus Hub Connection Assembly Replacement Sets (for use with Arrow® Cannon® II Plus)	
CAR-02400	Arrow® Cannon® 15 Fr. × 9.5" (24 cm) Hub Connection Assembly Replacement Set
CAR-02800	Arrow® Cannon® 15 Fr. × 11" (28 cm) Hub Connection Assembly Replacement Set
CAR-03200	Arrow® Cannon® 15 Fr. × 12.5" (32 cm) Hub Connection Assembly Replacement Set
CAR-03600	Arrow® Cannon® 15 Fr. × 14" (36 cm) Hub Connection Assembly Replacement Set
CAR-05500	Arrow® Cannon® 15 Fr. × 22" (55 cm) Hub Connection Assembly Replacement Set

Packaged in quantities of 1 unit per box.

The Cannon® II Plus Catheter is indicated for use in attaining long-term vascular access for hemodialysis and apheresis. The Cannon® II Plus Catheter is inserted percutaneously and is preferentially placed into the internal jugular (IJ) vein. Alternately, this catheter may be inserted into the subclavian vein although the jugular vein is the preferred site. Catheters greater than 40 cm are intended for femoral vein insertion. The Cannon® II Plus Catheter is intended for use in adult patients.

Arrow® NextStep® Chronic Catheter Kits and Sets

PRODUCT NO.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH
Arrow® NextStep® Antegrade Access Center Sets		
AC-15192-SFX	Arrow 15 Fr. x 7.5" (19 cm) Radiopaque Polyurethane Catheter	19 cm
AC-15232-SFX	Arrow 15 Fr. x 9" (23 cm) Radiopaque Polyurethane Catheter	23 cm
AC-15272-SFX	Arrow 15 Fr. x 10.5" (27 cm) Radiopaque Polyurethane Catheter	27 cm
AC-15312-SFX	Arrow 15 Fr. x 12" (31 cm) Radiopaque Polyurethane Catheter	31 cm
AC-15422-SFX	Arrow 15 Fr. x 16.5" (42cm) Radiopaque Polyurethane Catheter	42 cm
AC-15502-SFX	Arrow 15 Fr. x 19.7" (50cm) Radiopaque Polyeurethane Catheter	50 cm
Arrow® NextStep® Retrograde Access Center Sets		
AC-15192-X	Arrow 2-L 15 Fr. x 7-1/2" (19 cm) Hemodialysis Set	19 cm
AC-15232-X	Arrow 2-L 15 Fr. x 9" (23 cm) Hemodialysis Set	23 cm
AC-15272-X	Arrow 2-L 15 Fr. x 10-1/2" (27 cm) Hemodialysis Set	27 cm
AC-15312-X	Arrow 2-L 15 Fr. x 12-3/16" (19 cm) Hemodialysis Set	31 cm

Packaged in quantities of 1 unit per box.

PRODUCT NO.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH
Arrow® NextStep® Antegrade Chronic Hemodialysis Catheter Kits with Arrow Simplicity® Color-Coded Micro-Introducer		
CS-15192-SFXM	Arrow® NextStep® 15 Fr. × 7.5" (19 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	19 cm
CS-15232-SFXM	Arrow® NextStep® 15 Fr. × 9" (23 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	23 cm
CS-15272-SFXM	Arrow® NextStep® 15 Fr. × 10.5" (27 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	27 cm
CS-15312-SFXM	Arrow® NextStep® 15 Fr. × 12" (31 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	31 cm
Arrow® NextStep® Antegrade Chronic Hemodialysis Catheter Kits		
CS-15192-SFX	Arrow® NextStep® 15 Fr. × 7.5" (19 cm) Radiopaque Polyurethane Catheter	19 cm
CS-15232-SFX	Arrow® NextStep® 15 Fr. × 9" (23 cm) Radiopaque Polyurethane Catheter	23 cm
CS-15272-SFX	Arrow® NextStep® 15 Fr. × 10.5" (27 cm) Radiopaque Polyurethane Catheter	27 cm
CS-15312-SFX	Arrow® NextStep® 15 Fr. × 12" (31 cm) Radiopaque Polyurethane Catheter	31 cm
CS-15422-SFX	Arrow® NextStep® 15 Fr. × 16.5" (42 cm) Radiopaque Polyurethane Catheter	42 cm

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PRODUCT NO.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH
CS-15502-SFX	Arrow® NextStep® 15 Fr. × 19.7" (50 cm) Radiopaque Polyurethane Catheter	50 cm
Arrow® NextStep® Retrograde Chronic Hemodialysis Catheter Kits with Arrow Simplicity® Color-Coded Micro-Introducer		
CS-15192-XM	Arrow® NextStep® 15 Fr. × 7.5" (19 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	19 cm
CS-15232-XM	Arrow® NextStep® 15 Fr. × 9" (23 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	23 cm
CS-15272-XM	Arrow® NextStep® 15 Fr. × 10.5" (27 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	27 cm
CS-15312-XM	Arrow® NextStep® 15 Fr. × 12" (31 cm) Radiopaque Polyurethane Catheter with Color-Coded 21 Ga. Micro-Introducer Set	31 cm
Arrow® NextStep® Retrograde Chronic Hemodialysis Catheter Kits		
CS-15192-X	Arrow® NextStep® 15 Fr. × 7.5" (19 cm) Radiopaque Polyurethane Catheter	19 cm
CS-15232-X	Arrow® NextStep® 15 Fr. × 9" (23 cm) Radiopaque Polyurethane Catheter	23 cm
CS-15272-X	Arrow® NextStep® 15 Fr. × 10.5" (27 cm) Radiopaque Polyurethane Catheter	27 cm
CS-15312-X	Arrow® NextStep® 15 Fr. × 12" (31 cm) Radiopaque Polyurethane Catheter	31 cm
CS-15422-X	Arrow® NextStep® 15 Fr. × 16.5" (42 cm) Radiopaque Polyurethane Catheter	42 cm
CS-15552-X	Arrow® NextStep® 15 Fr. × 19.7" (55 cm) Radiopaque Polyurethane Catheter	55 cm
Arrow NextStep® Retrograde Hemodialysis Catheterization Set		
AC-15192-X	Arrow 2-L 15 Fr. x 7-1/2" (19 cm) Hemodialysis Set	19 cm
AC-15232-X	Arrow 2-L 15 Fr. x 9" (23 cm) Hemodialysis Set	23 cm
AC-15272-X	Arrow 2-L 15 Fr. x 10-1/2" (27 cm) Hemodialysis Set	27 cm
AC-15312-X	Arrow 2-L 15 Fr. x 12-3/16" (19 cm) Hemodialysis Set	31 cm
Arrow® NextStep® Retrograde Chronic Hemodialysis Catheter—Replacement Hubs		
NRH-15192	Arrow® NextStep® Replacement Hub for part# CS-15192-X (Catheter)	19 cm
NRH-15232	Arrow® NextStep® Replacement Hub for part# CS-15232-X (Catheter)	23 cm
NRH-15272	Arrow® NextStep® Replacement Hub for part# CS-15272-X (Catheter)	27 cm

Packaged in quantities of 1 unit per box.
The Arrow® NextStep® Antegrade Catheter is indicated for use in attaining long-term vascular access for hemodialysis and apheresis. The Arrow® NextStep® Antegrade Catheter is inserted percutaneously and is preferentially placed into the internal jugular (IJ) vein. Alternately, this catheter may be inserted into the subclavian vein although the jugular vein is the preferred site. Catheters greater than 40 cm are intended for femoral vein insertion. The Arrow® NextStep® Antegrade Catheter is intended for use in adult patients. The Arrow® NextStep® Catheter is indicated for use in attaining long-term vascular access for hemodialysis and apheresis. The NextStep® Catheter is inserted percutaneously and is preferentially placed into the internal jugular (IJ) vein. It may be placed into the subclavian vein also. The NextStep® Catheter is intended to be used only in adult patients.

Arrow Edge® Chronic Catheter Kits and Sets

PRODUCT NO.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH
Arrow Edge® Hemodialysis Catheterization Set and Arrow Simplicity® Combination Product		
Antegrade		
CS-15242-IM	Arrow Edge® 15 Fr. × 9.5" (24 cm) Radiopaque Polyurethane Catheter 21 Ga. Micro-Introducer Set	19 cm
CS-15282-IM	Arrow Edge® 15 Fr. × 11" (28 cm) Radiopaque Polyurethane Catheter 21 Ga. Micro-Introducer Set	23 cm
CS-15322-IM	Arrow Edge® 15 Fr. × 12.5" (32 cm) Radiopaque Polyurethane Catheter 21 Ga. Micro-Introducer Set	27 cm
CS-15362-IM	Arrow Edge® 15 Fr. × 14" (36 cm) Radiopaque Polyurethane Catheter 21 Ga. Micro-Introducer Set	31 cm
Arrow Edge® Hemodialysis Catheterization Kits		
Antegrade		
CS-15242-I	Arrow Edge® 15 Fr. × 9.5" (24 cm) Radiopaque Polyurethane Catheter	19 cm
CS-15282-I	Arrow Edge® 15 Fr. × 11" (28 cm) Radiopaque Polyurethane Catheter	23 cm
CS-15322-I	Arrow Edge® 15 Fr. × 12.5" (32 cm) Radiopaque Polyurethane Catheter	27 cm
CS-15362-I	Arrow Edge® 15 Fr. × 14" (36 cm) Radiopaque Polyurethane Catheter	31 cm
CS-15552-I	Arrow Edge® 15 Fr. × 12.5" (32 cm) Radiopaque Polyurethane Catheter	27 cm

PRODUCT NO.	DESCRIPTION	TIP-TO-CUFF INSERTION LENGTH
Arrow Edge Antegrade Sets		
CSD-15242-I	Edge, Antegrade,HEMODIALYSIS SET: 2-L15 FRX 19 cm	19 cm
CSD-15282-I	Edge, Antegrade,HEMODIALYSIS SET: 2-L15 FRX 23 cm	23 cm
CSD-15322-I	Edge, Antegrade,HEMODIALYSIS SET: 2-L15 FRX 27 cm	27 cm
CSD-15362-I	Edge, Antegrade,HEMODIALYSIS SET: 2-L15 FRX 31 cm	31 cm
CSD-15552-I	Edge, Antegrade,HEMODIALYSIS SET: 2-L15 FRX 50 cm	50 cm

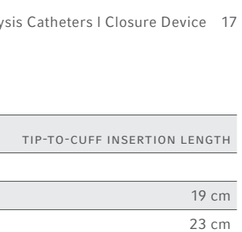
Packaged in quantities of 1 unit per box.
Colored bands on wire guide correspond to color-coded catheter packaging.
The Arrow Edge® Catheter is indicated for use in attaining long-term vascular access for hemodialysis and apheresis. The Arrow Edge® Catheter is inserted percutaneously and is preferentially placed into the internal jugular (IJ) vein. Alternately, this catheter may be inserted into the subclavian vein although the jugular vein is the preferred site. Catheters greater than 40 cm are intended for femoral vein insertion. Arrow Edge® Catheter is intended for use in adult patients.

Arrow Simplicity® Micro-Introducer Set

PRODUCT NO.	DESCRIPTION
Arrow Simplicity® Color-Coded Micro-Introducer Set includes:	
MP-04450-AS	1 Introducer Needle: 21 Ga. × 2.75" (7 cm) thin wall echogenic tip needle with bevel indicator and green hub 1 Coaxial Sheath/Dilator: 4 Fr. × 4" (10 cm) 1 Micro-Introducer Wire Guide: 0.018" (0.46 mm) × 45 cm stainless steel guidewire with platinum coil and color band markings

Arrow Simplicity® Micro-Introducer Set can only be used with Arrow® Chronic Hemodialysis Catheters.
Packaged in quantities of 5 units per box. Individual units are not sold separately.
The Arrow Simplicity® Micro-Introducer Set is intended to introduce up to a .038" guidewire or catheter into the vascular system following a 21 Ga. needle stick.

Closure Device



MANTA™ Vascular Closure Device

PRODUCT NO.	DESCRIPTION	SIZE
2156	14 Fr. MANTA™ Vascular Closure Device	14 Fr.
2115	18 Fr. MANTA™ Vascular Closure Device	18 Fr.
188F	8 Fr. MANTA™ Depth Locator	8 Fr.

Packaged in quantities of 5 units per box.
The MANTA™ Vascular Closure Device is indicated for closure of femoral arterial access sites while reducing time to hemostasis following the use of 10-20F devices or sheaths (12-25F OD) in endovascular catheterization procedures. CONTRAINDICATIONS: There are no known contraindications to the use of this device. **WARNINGS:** 1) Do not use if the puncture site is proximal to the inguinal ligament or above the most inferior border of the epigastric artery (IEA), as this may result in retroperitoneal bleeding. 2) Do not use in patients with severe calcification of the access vessel and/or common femoral artery stenosis resulting in a vessel 50% diameter femoral or iliac artery stenosis. 3) Do not use in patients with severe peripheral vascular disease, as evidenced by severe claudication when ambulating 40 kg/m2 or 180 mmHg that cannot be lowered prior to access site closure. 19) Do not use in patients who cannot be adequately anticoagulated for the procedure. 20) Do not use the MANTA Device in patients with known allergies to bovine products, collagen and/or collagen products, polyglycolic or polylactic acid polymers, stainless steel or nickel. **PRECAUTIONS:** 1) The MANTA Device should only be used by a licensed physician or healthcare provider trained in the use of this device. 2) This device contains a small radiopaque stainless-steel lock that is implanted in the puncture tract. See MRI information in these instructions for use and patient implant card. 3) In the event that bleeding from the femoral access site persists after the use of the MANTA Device, the physician should assess the situation. Based on the physician assessment of the amount of bleeding, use manual or mechanical compression, application of balloon pressure from a secondary access site, placement of a covered stent, and/or surgical repair to obtain hemostasis.
POTENTIAL ADVERSE EVENTS: The following potential adverse events related to the deployment of Vascular Closure Devices have been identified: 1) Ischemia of the leg or stenosis of the femoral artery. 2) Local trauma to the femoral or iliac artery wall, such as dissection. 3) Retroperitoneal bleeding as a result of access above the inguinal ligament or the most inferior border of the epigastric artery (IEA). 4) Perforation of iliofemoral arteries, causing bleeding/hemorrhage. 5) Thrombosis formation or embolism. 6) Nerve damage or neuropathy. 7) Other access site complications leading to bleeding, hematoma, pseudoaneurysm, or arterio-venous fistula, possibly requiring blood transfusion, surgical repair, and/or endovascular intervention. Potential Adverse Events associated with any large bore intervention, including the use of the MANTA Vascular Closure Device, include but are not limited to: Arterial damage; Arterio-venous fistula; Bradycardia; Compartment syndrome; Death related to the procedure; Deep vein thrombosis; Ecchymosis; Edema; Infection at the puncture site which may require antibiotics or extended hospitalization; Inflammatory response; Late arterial bleeding; Oozing from the puncture site; Pressure in groin/access site region; Vessel laceration or trauma; Wound dehiscence.

Drainage

Arrow® Thoracentesis Kits

PRODUCT NO.	DESCRIPTION	
Arrow-Clarke™ Pleura-Seal® Thoracentesis Kit includes:		
AK-01000	1 Polyurethane Centesis Device: 8 Fr. Catheter over 18 Ga. × 7-½" (19 cm) RW Needle with 3-way Stopcock, Self-Sealing Valve and 5 mL Luer-Lock Syringe 1 Injection Needle: SafetyGlide™ 25 Ga × 1" (2.54 cm) 1 Injection Needle: SafetyGlide™ 22 Ga. x 1-1/2" (3.81 cm) 1 Blunt Fill Needle: 18 Ga. x 1-1/2" (3.81 cm) 1 Syringe: 10 mL Luer-Lock 1 Syringe: 50 mL Luer-Lock 2 5 mL 1% Lidocaine HCl Solution 1 Alcohol Prep 1 3 mL Applicator 2% CHG and 70% IPA ChloraPrep® One-Step Solution with Hi-Lite Orange® Tint 3 Vial: Specimen	1 SharpsAway® Disposal Cup 1 Sharps Away II™ Locking Disposal Cup 1 Drape: 18" × 24" with 2-¾" fenestration, with adhesive 1 Safety Scalpel: #11 1 Medication Label: 1% Lidocaine 2 Dressing: Adhesive 7.6 cm × 2.5 cm 5 Gauze Pad: 4" × 4" (10 cm × 10 cm) 1 Drainage Bag 1 Tubing Set: Drainage with Roller Clamp and 18 Ga. Needle 1 Tubing Set with Aspiration/Discharge Device
Arrow-Clarke™ Pleura-Seal® Thoracentesis Kit without Lidocaine includes:		
AK-01000-J	1 Polyurethane Centesis Device: 8 Fr. Catheter over 18 Ga. × 7-½" (19 cm) RW Needle with 3-way Stopcock, Self-Sealing Valve and 5 mL Luer-Lock Syringe 1 Injection Needle: 22 Ga. × 1-½" (3.81 cm) 1 Injection Needle: 25 Ga × 1" (2.54 cm) 1 Syringe: 10 mL Luer-Lock 1 Syringe: 50 mL Luer-Lock 3 Vial: Specimen	1 Drape: 24" × 30" (61 cm × 76 cm) with 4" (10 cm) fenestration, with adhesive 1 Scalpel: #11 2 Dressing: Adhesive 7.6 cm × 2.5 cm 5 Gauze Pad: 4" × 4" (10 cm × 10 cm) 1 Drainage Bag 1 Tubing Set: Drainage with Roller Clamp and 18 Ga. Needle 1 Tubing Set with Aspiration/Discharge Device
Arrow-Clarke™ Pleura-Seal® Thoracentesis Set includes:		
CS-01000	1 Polyurethane Centesis Device: 8 Fr. Catheter over 18 Ga. × 7-½" (19 cm) RW Needle with 3-way Stopcock, Self-Sealing Valve and 5 mL Luer-Lock Syringe	1 Scalpel: #11 1 Tubing Set: Drainage with Roller Clamp and 18 Ga. Needle
Arrow-Clarke™ Pleura-Seal® Thoracentesis Kit (FEP Catheter) includes:		
AK-01000-T	1 FEP Centesis Device: 8 Fr. Catheter over 18 Ga. × 7-1/2" (19 cm) RW Needle with 3-way Stopcock, Self-Sealing Valve 1 Injection Needle: 22 Ga. x 1-1/2" (3.81 cm) 1 Injection Needle: 25 Ga. x 1" (2.54 cm) 1 Syringe: 10 mL Luer-Lock 1 Syringe: 5 mL Luer-Lock 1 Syringe: 50 mL Luer-Lock 2 5 mL 1% Lidocaine HCl Solution 1 Alcohol Prep 1 3 mL Applicator 2% CHG and 70% IPA ChloraPrep® One-Step Solution with Hi-Lite Orange® Tint	3 Vial: Specimen 1 Drape: 24" × 30" (61 cm × 76 cm) with 4" (10 cm) fenestration, with adhesive 1 Scalpel: #11 2 Dressing: Adhesive 7.6 cm × 2.5 cm 5 Gauze Pad: 4" × 4" (10 cm × 10 cm) 1 Drainage Bag 1 Tubing Set: Drainage with Roller Clamp and 18 Ga. Needle 1 Tubing Set with Aspiration/Discharge Device

Packaged in quantities of 10 units per box. Individual units are not sold separately.
The Arrow-Clarke™ Thoracentesis Device permits the removal of fluids from the pleural space and provides access to infuse chemotherapeutic or sclerosing agents.

Arrow® Paracentesis Kit

PRODUCT NO.	DESCRIPTION	
Large Volume Abdominal Paracentesis Kit		
AK-00376	1 Polyurethane Centesis Device: 8 Fr. Catheter over 18 Ga. × 7-½" (19 cm) RW Needle with 3-way Stopcock, Self-Sealing Valve and 5 mL Luer-Lock Syringe 1 Introducer Needle: 20 Ga. × 3" (7.62 cm) 2 Injection Needle: 22 Ga. × 1-½" (3.81 cm) 1 Injection Needle: 25 Ga × 1" (2.54 cm) 1 Blunt Fill Needle: 18 Ga. x 1-1/2" (3.81 cm) 1 Syringe: 10 mL Luer-Lock 1 Syringe: 50 mL Luer-Lock 1 3 mL Applicator 2% CHG and 70% IPA ChloraPrep® One-Step Solution with Hi-Lite Orange™ Tint 2 5 mL 1% Lidocaine HCl Solution 1 Dust Cap: Non-Vented 1 Vial: Vacutainer (EDTA) 1 Alcohol Prep	3 Vial: Specimen 1 SharpsAway® Disposal Cup 1 Sharps Away II™ Locking Disposal Cup 1 Drape: 24" × 30" (61 cm × 76 cm) with 4" (10 cm) fenestration, with adhesive 1 Safety Scalpel: #11 3 Label: Specimen Identification 1 Dressing: Adhesive Strip 2.54 cm × 7.62 cm 5 Gauze Pad: 4" × 4" (10 cm × 10 cm) 1 Drainage Bag 1 Tubing Set with Aspiration/Discharge Device 1 Tubing Set: Drainage with Roller Clamp
ASK-00376-JHH	1 Polyurethane Centesis Device: 8 Fr. Catheter over 18 Ga. × 7-½" (19 cm) RW Needle with 3-way Stopcock, Self-Sealing Valve and 5 mL Luer-Lock Syringe 1 Injection Needle: SafetyGlide® 25 Ga × 1" (2.54 cm) 1 Injection Needle: SafetyGlide® 22 Ga. × 1-½" (3.81 cm) RW 1 Syringe: 10 mL Luer-Lock 1 Syringe: 60 mL Luer-Lock 1 Alcohol Prep 2 5 mL 1% Lidocaine HCl Solution 1 3 mL Applicator 2% CHG and 70% IPA ChloraPrep® One-Step Solution with Hi-Lite Orange® Tint 1 Dust Cap: Non-Vented 1 Vial: Vacutainer (EDTA) 3 Vial: Specimen	1 SharpsAway Disposal Cup 1 Sharps Away II Locking Disposal Cup 1 Drape: 18" × 24" with 2-¾" fenestration, with adhesive 1 Safety Scalpel: #11 1 Medication Label: 1% Lidocaine 3 Label: Specimen Identification 2 Dressing: Adhesive Strip 2.54 cm × 7.62 cm 1 Dressing Adhesive 5 Gauze Pad: 4" × 4" (10 cm × 10 cm) 1 18" Extension Tubing with Adapter 1 Drainage Bag 1 Tubing Set with Aspiration/Discharge Device

Packaged in quantities of 6 units per box. Individual units are not sold separately.
The Arrow® Large Volume Paracentesis Kit permits access to the abdominal cavity for drainage and specimen collection.

Arrow® Percutaneous Cavity Drainage Catheterization

PRODUCT NO.	DESCRIPTION	
Arrow® Percutaneous Cavity Drainage Catheterization Kit with Curved Catheter includes:		
AK-01600	1 Drainage Catheter with Blue FlexTip®, Curved: 14 Fr. × 9" (23 cm) Radiopaque Polyurethane with Integral Extension Line, Extension Line Clamp, Side Holes, Integral Suture Wing 1 Spring-Wire Guide, Marked: .035" (0.89 mm) dia. × 26-¾" (68 cm) (Straight Soft Tip on One End - J-tip on Other) with Arrow Advancer™ 1 Injection Needle: 22 Ga. × 1-½" (3.81 cm) 1 Straightening Needle: 11 Ga. × 10.50" (26.7 cm) 1 Introducer Needle: 18 Ga. × 6-½" (16.5 cm) TW 1 Introducer Needle: 18 Ga. × 1-½" (3.81 cm) XTW 1 Introducer Needle: 18 Ga. × 2-½" (6.35 cm) XTW 1 Injection Needle: 25 Ga. × 1" (2.54 cm) 1 3 mL Luer-Lock Syringe 1 Arrow® Raulerson Spring-Wire Introduction Syringe: 5 mL	2 Tissue Dilator 1 3 mL Applicator 2% CHG and 70% IPA ChloraPrep® One-Step Solution with Hi-Lite Orange™ Tint 2 5 mL 1% Lidocaine HCl Solution 1 Alcohol Prep 1 Dust Cap: Non-Vented 1 Fastener: Catheter Clamp 1 Drape: 24" × 30" (61 cm × 76 cm) with 4" (10 cm) fenestration, with adhesive 1 Scalpel: #11 4 Gauze Pad: 4" × 4" (10 cm × 10 cm) 1 Suture: 3-0 Nylon with Straight Needle 1 Adapter Plug

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PRODUCT NO.	DESCRIPTION	
Arrow® Percutaneous Cavity Drainage Catheterization Kit with Straight Catheter includes:		
AK-01601	1 Drainage Catheter with Blue FlexTip®, Straight: 14 Fr. × 9" (23 cm) Radiopaque Polyurethane with Integral Extension Line, Extension Line Clamp, Side Holes, Integral Suture Wing 1 Spring-Wire Guide, Marked: .035" (0.89 mm) dia. × 26-¾" (68 cm) (Straight Soft Tip on One End - J-tip on Other) with Arrow Advancer 1 Injection Needle: 22 Ga. × 1-½" (3.81 cm) 1 Straightening Needle: 11 Ga. × 10.50" (26.7 cm) 1 Introducer Needle: 18 Ga. × 6-½" (16.5 cm) TW 1 Introducer Needle: 18 Ga. × 1-½" (3.81 cm) XTW 1 Introducer Needle: 18 Ga. × 2-½" (6.35 cm) XTW 1 Blunt Fill Needle: 18 Ga. × 1-½" (3.81 cm) 1 Syringe : 3 mL Luer-Lock 1 Arrow® Raulerson Spring-Wire Introduction Syringe: 5 mL	2 Tissue Dilator 1 3 mL Applicator 2% CHG and 70% IPA ChloraPrep® One-Step Solution with Hi-Lite Orange™ Tint 2 5 mL 1% Lidocaine HCl Solution 1 Alcohol Prep 1 Dust Cap: Non-Vented 1 Fastener: Catheter Clamp 1 Drape: 24" × 30" (61 cm × 76 cm) with 4" (10 cm) fenestration, with adhesive 1 Scalpel: #11 5 Gauze Pad: 4" × 4" (10 cm × 10 cm) 1 Suture: 2-0 Nylon with Straight Needle 1 Adapter Plug
Arrow® Percutaneous Cavity Drainage Catheterization Set with Curved Catheter includes:		
AI-01600	1 Drainage Catheter with Blue FlexTip®, Curved: 14 Fr. × 9" (23 cm) Radiopaque Polyurethane with Integral Extension Line, Extension Line Clamp, Side Holes, Integral Suture Wing 1 Spring-Wire Guide, Marked: .035" (0.89 mm) dia. × 26-3/4" (68 cm) (Straight Soft Tip on One End - J-tip on Other) with Arrow Advancer 1 Straightening Needle: 11 Ga. × 10.50" (26.7 cm)	1 Introducer Needle: 18 Ga. × 6-½" (16.5 cm) TW 1 Introducer Needle: 18 Ga. × 2-½" (6.35 cm) XTW 1 Arrow® Raulerson Spring-Wire Introduction Syringe: 5 mL 2 Tissue Dilator 1 Scalpel: #11 1 Adapter Plug

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The Cavity Drainage Catheterization Product permits percutaneous placement of a catheter into a cavity for drainage.

Arrow® Pneumothorax Kits

PRODUCT NO.	DESCRIPTION	
Arrow® Pneumothorax Kit includes:		
AK-01500	1 Catheter: 8 Fr. × 6.44" (16 cm) Radiopaque over 18 Ga. RW Pneumothorax Needle 1 Syringe: 10 mL Luer-Lock 1 Syringe: 5 mL Luer-Slip 1 Injection Needle: 22 Ga. x 1-1/2" (3.81 cm) 1 Injection Needle: 25 Ga. x 1" (2.54 cm) 1 Blunt Fill Needle: 18 Ga. x 1-1/2" (3.81 cm 2 5 mL 1% Lidocaine HCl Solution and Alcohol Prep 1 3 mL Applicator 2% CHG and 70% IPA ChloraPrep® One-Step Solution with Hi-Lite Orange® Tint (non-sterile solution) 1 SecondSite™ Adjustable Hub: Fastener 1 SecondSite™ Adjustable Hub: Catheter Clamp 1 SharpsAway™ Disposal Cup	1 Sharps Away II™ Locking Disposal Cup 1 Extension Tube 1 Drape: × 30" (61 cm × 76 cm) with 4" (10 cm) fenestration, with adhesive 1 Safety Scalpel: #11 1 Stockcock: 1-way 2 Dressing: Adhesive 7.6 cm × 2.5 cm 5 Gauze Pad: 4" × 4" (10 cm × 10 cm) 1 Suture: 2-0 Silk with Straight Needle 1 18" Extension Tubing with Adapter 1 Heimlich Valve
Arrow® Pneumothorax Kit with Safety Components includes:		
AK-01500-JCM	1 Catheter: 8 Fr. × 6.44" (16 cm) Radiopaque over 18 Ga. RW Pneumothorax Needle 1 Injection Needle: SafetyGlide® 25 Ga × 1" (2.54 cm) 1 Injection Needle: SafetyGlide® 22 Ga. × 1-½" (3.81 cm) RW 1 Syringe: 10 mL Luer-Lock 1 Blunt Fill Needle: 18 Ga. × 1-½" (3.81 cm) 1 Syringe: 5 mL Luer-Slip 2 5 mL 1% Lidocaine HCl Solution and Alcohol Prep 1 3 mL Applicator 2% CHG and 70% IPA ChloraPrep® One-Step Solution with Hi-Lite Orange® 1 SecondSite™ Adjustable Hub: Fastener 1 SecondSite™ Adjustable Hub: Catheter Clamp 1 Sharps Away II™ Locking Disposal Cup	1 SharpsAway® Disposal Cup 1 Extension Tube 1 Drape: 24" × 30" (61 cm × 76 cm) with 4" (10 cm) fenestration, with adhesive 1 Safety Scalpel: #11 1 Stockcock: 1-way 2 Dressing: Adhesive 7.6 cm × 2.5 cm 5 Gauze Pad: 4" × 4" (10 cm × 10 cm) 1 Suture: 2-0 Silk with Straight Needle 1 Extension Tubing with Adapter 1 Heimlich Valve

Continued on page 21

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PRODUCT NO.	DESCRIPTION	
Arrow® Pneumothorax Kit For Use With a Water Seal System (Does Not Contain Heimlich Valve) includes:		
ASK-01500	1 Catheter: 8 Fr. x 6.44" (16 cm) Radiopaque over 18 Ga. RW Pneumothorax Needle 1 Injection Needle: 25 Ga. x 1" (2.54 cm) 1 Injection Needle: 22 Ga. x 1-1/2" (3.81 cm) 1 Blunt Fill Needle: 18 Ga. x 1-1/2" (3.81 cm) 1 Syringe: 10 mL Luer-Lock 1 Syringe: 5 mL Luer-Slip 2 5 mL 1% Lidocaine HCl Solution and Alcohol Prep 1 3 mL Applicator 2% CHG and 70% IPA ChloraPrep® One-Step Solution with Hi-Lite Orange™ Tint (non-sterile solution) 1 SecondSite™ Adjustable Hub: Fastener	1 SecondSite™ Adjustable Hub: Catheter Clamp 1 SharpsAway® Disposal Cup 1 SharpsAway II™ Locking Disposal Cup 1 Extension Tube 1 Drape: 24" x 30" (61 cm x 76 cm) with 4" (10 cm) fenestration, with adhesive 1 Safety Scalpel: #11 1 Stopcock: 1-way 2 Dressing: Adhesive 7.6 cm x 2.5 cm 5 Gauze Pad: 4" x 4" (10 cm x 10 cm) 1 Suture: 2-0 Silk with Straight Needle 1 Tubing+: 18" Extension with Adapter
Arrow® Pneumothorax Set includes:		
AI-01500-E	1 Catheter: 8 Fr. × 6.44" (16 cm) Radiopaque over 18 Ga. RW Pneumothorax Needle 1 Syringe: 5 mL Luer-Slip 1 SecondSite™ Adjustable Hub: Fastener 1 SecondSite™ Adjustable Hub: Catheter Clamp	1 Extension Tube 1 Scalpel: #11 1 Stockcock: 1-way 1 18" Extension with Adapter 1 Heimlich Valve

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The Arrow® Pneumothorax Product facilitates lung reexpansion of a minor pneumothorax.

Drainer® Centesis Catheters

PRODUCT NO.	CATHETER SIZE	CATHETER LENGTH	NEEDLE SIZE	NEEDLE LENGTH	NEEDLE TIP
8809	4 Fr.	9 cm	21 Ga.	11 cm	Echogenic
8810	5 Fr.	9 cm	19 Ga.	11 cm	Echogenic
8811	6 Fr.	9 cm	17 Ga.	11 cm	Echogenic
8812	5 Fr.	15 cm	19 Ga.	17 cm	Echogenic

Packaged in quantities of 10 units per box. Individual units are not sold separately.
The Drainer® Centesis Catheter is intended for use in percutaneous fluid aspirations and small volume drainage procedures.

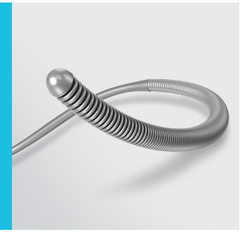
Embolization

Gel-Block™ 10x Embolization Pledgets

PRODUCT NO.	DELIVERY CATHETER I.D. REQUIRED	MAXIMUM SWELLED DIAMETER OF PLEDGET	PLEDGET LENGTH	QUANTITY OF PLEDGETS INCLUDED	SIZE OF DELIVERY SYRINGE INCLUDED
3640	≥0.038" (0.965 mm)	5 mm	5 mm	10	3 cc
3641	≥0.027" (0.686 mm)	3 mm	5 mm	10	1 cc
3642	≥0.021" (0.533 mm)	3 mm	2.5 mm	10	1 cc

Packaged in quantities of 5 units per box. Individual units are not sold separately.
Gel-Block™ 10x embolization pledgets is intended for use in embolization of hypervascular tumors and arteriovenous malformations (AVMs).

Guidewires



Amplatz SST™ Guidewire

PRODUCT NO.	DIAMETER	LENGTH	TIP LENGTH	TIP SHAPE
7479	0.035"	80 cm	7.5 cm	Straight*
7480	0.035"	150 cm	7.5 cm	Straight*
7481	0.035"	180 cm	7.5 cm	Straight*
7482	0.035"	260 cm	7.5 cm	Straight*
7487	0.035"	150 cm	7 cm	Modified J
7488	0.035"	180 cm	5 cm	Modified J
7489	0.035"	260 cm	5 cm	Modified J

*Flexible tip length is 6 cm.

Packaged in quantities of 5 units per box. Individual units are not sold separately.

The Amplatz SST™ Steerable Guidewire facilitates placement of a catheter during diagnostic angiography and interventional procedures. The Amplatz SST™ Steerable Guidewire can be accurately controlled to facilitate navigation through tortuous vessels and/or adjoining side branches.

Axis™ Guidewire

PRODUCT NO.	DIAMETER	LENGTH	TIP SHAPE
7370	0.035"	90 cm	Straight, 12 cm Floppy
7371	0.035"	90 cm	Straight, 9 cm Floppy
7372	0.035"	145 cm	Straight, 9 cm Floppy
7373	0.035"	260 cm	Straight, 9 cm Floppy
7374	0.035"	180 cm	Straight, 9 cm Floppy

Packaged in quantities of 5 units per box. Individual units are not sold separately.

The Axis™ Guidewire is intended to facilitate the placement of devices during diagnostic and interventional procedures.

PiggyBack® Wire Converter

PRODUCT NO.	LENGTH	REQUIRED DIAMETER	REQUIRED MINIMUM LENGTH FOR EXCHANGE	MINIMUM INTRODUCER SIZE	HYDROPHILIC COATING
8802	145 cm	0.014"	290 cm	4 Fr. (0.053" I.D.)	Distal 18 cm

Packaged in quantities of 1 unit per box.

The PiggyBack® Wire Converter is intended to be used with guidewires to access the peripheral vasculature and to facilitate placement of interventional devices.

VSI Tru-Torque™ Guidewire

PRODUCT NO.	DIAMETER	LENGTH	TIP SHAPE
VSI Tru-Torque™, Straight—highly supportive			
7470	0.035"	150 cm	Straight
7471	0.035"	300 cm	Straight
VSI Tru-Torque™, Floppy*—highly flexible			
7472	0.035"	150 cm	Floppy
7473	0.035"	180 cm	Floppy
7474	0.035"	260 cm	Floppy
VSI Tru-Torque™, Modified J—highly versatile			
7475	0.035"	150 cm	Modified J
7476	0.035"	180 cm	Modified J
7477	0.035"	260 cm	Modified J
7478	0.035"	300 cm	Modified J

*Distal floppy tip is 4 cm.

Packaged in quantities of 5 units per box. Individual units are not sold separately.

The VSI Tru-Torque™ Steerable Guidewire facilitates placement of a catheter during diagnostic angiography and interventional procedures. The VSI Tru-Torque™ Steerable Guidewire can be accurately controlled to facilitate navigation through tortuous vessels and/or adjoining side branches.

VSI 0.018" Guidewires

PRODUCT NO.	DIAMETER	LENGTH	SPECIAL FEATURES
Stainless Steel Mandrel—Stainless Steel Soft Tip			
7300	0.018"	40 cm	N/A
7301	0.018"	60 cm	N/A
Nitinol Mandrel—Stainless Steel Soft Tip			
7302	0.018"	40 cm	N/A
7303	0.018"	60 cm	N/A
Stainless Steel Mandrel—Tungsten Soft Tip			
7304	0.018"	40 cm	N/A
7305	0.018"	60 cm	N/A
7326	0.018"	80 cm	PTFE-coated
7327	0.018"	100 cm	PTFE-coated
Nitinol Mandrel—Tungsten Soft Tip			
7342	0.018"	40 cm	N/A
7306	0.018"	40 cm / Angled Tip	N/A
7307	0.018"	60 cm	N/A
7324	0.018"	80 cm	N/A
7325	0.018"	130 cm	Marked*

*Reference markers at 5 cm intervals between distal 20 cm and 65 cm.

7300, 7301, 7302 and 7303 packaged in quantities of 10 units per box. All others packaged in quantities of 5 units per box. Individual units are not sold separately.

The VSI Guidewire is indicated for percutaneous entry of peripheral vessels using the Seldinger Technique. This device is not intended for use in the coronary or cerebral vasculature.

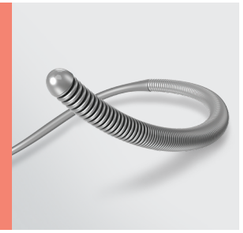
VSI 0.014" Guidewire

PRODUCT NO.	DIAMETER	LENGTH	GUIDEWIRE MANDREL	TIP
7343	0.014"	50 cm	Nitinol	Stainless Steel Soft Tip

Packaged in quantities of 10 units per box. Individual units are not sold separately.

The VSI Guidewire is indicated for percutaneous entry of peripheral vessels using the Seldinger Technique. This device is not intended for use in the coronary or cerebral vasculature.

Guidewires- Coronary



Spectre™ Guidewire

PRODUCT NO.	SHAFT O.D.	DISTAL TIP O.D.	LENGTH	CORE MATERIAL	HYDROPHILIC COATING LENGTH	COIL LENGTH	RADIOPAQUE TIP LENGTH	TIP SHAPE	TIP LOAD
7386	0.014"	0.014"	190 cm	Stainless Steel-Nitinol	42 cm	25 cm	3 cm	Straight	0.9 g
7387	0.014"	0.014"	300 cm	Stainless Steel-Nitinol	42 cm	25 cm	3 cm	Straight	0.9 g

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The Spectre™ Guidewire is intended for use in percutaneous procedures to introduce and position catheters and other interventional devices within the coronary and peripheral vasculature.

Bandit™ Guidewire

PRODUCT NO.	SHAFT O.D.	DISTAL TIP O.D.	LENGTH	CORE MATERIAL	POLYMER JACKET LENGTH	HYDROPHILIC COATING LENGTH	COIL LENGTH	RADIOPAQUE TIP LENGTH	TIP SHAPE	TIP LOAD
7444	0.014"	0.008"	200 cm	Stainless Steel	17 cm	17 cm	16 cm	10 cm	Straight	0.8 g
7445	0.014"	0.008"	300 cm	Stainless Steel	17 cm	17 cm	16 cm	10 cm	Straight	0.8 g

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The Bandit™ Guidewire is intended for use in percutaneous procedures to introduce and position catheters and other interventional devices within the coronary and peripheral vasculature.

Raider™ Guidewire

PRODUCT NO.	SHAFT O.D.	DISTAL TIP O.D.	LENGTH	CORE MATERIAL	POLYMER JACKET LENGTH	HYDROPHILIC COATING LENGTH	COIL LENGTH	RADIOPAQUE TIP LENGTH	TIP SHAPE	TIP LOAD
7448	0.014"	0.014"	200 cm*	Stainless Steel	30 cm	30 cm	25 cm	10 cm	Straight	4 g
7449	0.014"	0.014"	300 cm	Stainless Steel	30 cm	30 cm	25 cm	10 cm	Straight	4 g

*190 cm was a length that was previously available and may still be in distribution in select geographies.
Packaged in quantities of 5 units per box. Individual units are not sold separately.
The Raider™ Guidewire is intended for use in percutaneous procedures to introduce and position catheters and other interventional devices within the coronary and peripheral vasculature

Warrior™ Guidewire

MODEL	SHAFT O.D.	DISTAL TIP O.D.	LENGTH	CORE MATERIAL	HYDROPHILIC COATING LENGTH	COIL LENGTH	RADIOPAQUE TIP LENGTH	TIP SHAPE	TIP LOAD
7388	0.014"	0.009"	200 cm	Stainless Steel	20 cm	20 cm	2.5 cm	Straight	14 g
7389	0.014"	0.009"	300 cm	Stainless Steel	20 cm	20 cm	2.5 cm	Straight	14 g

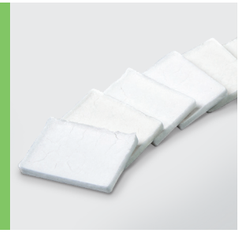
Packaged in quantities of 5 units per box. Individual units are not sold separately.
The Warrior™ Guidewire is intended for use in percutaneous procedures to introduce and position catheters and other interventional devices within the coronary and peripheral vasculature.

R350™ Guidewire

MODE;	SHAFT O.D.	DISTAL TIP O.D.	LENGTH	CORE MATERIAL	HYDROPHILIC COATING LENGTH	COIL LENGTH	RADIOPAQUE TIP LENGTH	TIP SHAPE	TIP LOAD
7390	0.013"	0.013"	350 cm	Nitinol	200 cm	5 cm	5 cm	Straight	3 g

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The R350™ Guidewire is indicated for use in percutaneous procedures to introduce and position catheters and other interventional devices within the coronary and peripheral vasculature.

Hemostasis



Thrombix® Topical Hemostat*

PRODUCT NO.	DESCRIPTION
3100	Thrombix® Silver Topical Hemostat
3101	Thrombix® Topical Hemostat

Packaged in quantities of 25 units per box. Individual units are not sold separately.

D-Stat Dry Silver® Topical Hemostat*

PRODUCT NO.	DESCRIPTION
3000	D-Stat® Dry Silver Topical Hemostat
3005	D-Stat® Dry Clear Silver Topical Hemostat
3001	D-Stat® Dry Topical Hemostat
3006	D-Stat® Dry Clear Topical Hemostat

Packaged in quantities of 10 units per box. Individual units are not sold separately.
The D-Stat Dry Silver® Topical Hemostat is applied topically as an adjunct to manual compression and is indicated for the control of surface bleeding from vascular access sites and percutaneous catheters or tubes and reducing the time-to-hemostasis in patients undergoing diagnostic endovascular procedures utilizing 4-6 Fr. Introducer sheaths. D-Stat Dry Silver® Topical Hemostat contains silver chloride to prevent microorganisms commonly encountered in the clinical setting from colonizing on the pad.

D-Stat® 2 Dry Hemostatic Bandage

PRODUCT NO.	DESCRIPTION
3010	D-Stat® 2 Dry Hemostatic Bandage

Packaged in quantities of 10 units per box. Individual units are not sold separately.
The D-Stat® 2 Dry Hemostatic Bandage is intended for use under the direction of a healthcare professional for the local management and control of bleeding from vascular access sites and percutaneous catheters and tubes.

D-Stat® Clamp Topical Hemostat Accessory*

PRODUCT NO.	DESCRIPTION
3030	D-Stat® Clamp Topical Hemostat Accessory

Each D-Stat® Clamp Topical Hemostat Accessory incudes a D-Stat® Dry Topical Hemostat Pad.
Packaged in quantities of 5 units per box. Individual units are not sold separately.
The D-Stat® Clamp Topical Hemostat Accessory is indicated for the use with the D-Stat® Handle, CompressAR® Universal System (Advanced Vascular Dynamics) and the Femoral Artery Vascular Clamp (Pressure Products) compression devices or as a stand-alone device to assist in the control of bleeding following catheterization or cannulation procedures. Following achieving hemostasis the D-Stat® Dry bandage may be detached from the D-Stat® Clamp accessory and left in place for up to 24 hours and is indicated for the control of surface bleeding from vascular access sites and percutaneous catheters or tubes.

D-Stat® Flowable Hemostat*

PRODUCT NO.	DESCRIPTION
4000	D-Stat Flowable Hemostat

Packaged in quantities of 5 units per box. Individual units are not sold separately.

INDICATIONS: The D-Stat® flowable is indicated for use under the direction of a healthcare professional for the local management and control of bleeding from vascular access sites and percutaneous catheters and tubes. The D-Stat® flowable is indicated for use as an adjunct treatment in sealing residual oozing of tissue tracts of femoral access sites that have been previously closed by suture/collagen-based hemostatic devices. D-Stat flowable is indicated for use in high-risk, anti-coagulated patients undergoing implantation of a pulse generator (e.g., pacemaker or ICD) to reduce the frequency of clinically relevant hematoma formation in the prepectoral pocket. High-risk patients are defined as those whose anticoagulation regimens will resume within 24 hours of implant. Clinically relevant hematomas are defined as those that result in an alteration in the standard of care resultant of hematoma formation including alteration (i.e. suspension or discontinuation) of the anticoagulant therapy regimen (Heparin, LMWH, Coumadin or Plavix), application of a compression bandage and evacuation of the hematoma.

CONTRAINDICATIONS: The D-Stat® is contraindicated in persons with known sensitivity to bovine-derived materials.

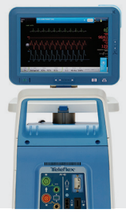
WARNINGS: The effectiveness of D-Stat® flowable to reduce the frequency of prepectoral pocket hematomas in patients on Coumadin therapy that have an INR >2.0 has not been established. Do not inject the D-Stat into blood vessels. Extensive intravascular clotting and even death may result. Intravascular delivery of flowable hemostatic agents has been reported. Appropriate imaging should be used when delivering hemostatic agents near vasculature. Do not use the D-Stat in the closure of skin incisions because it may interfere with the healing of the skin edges due to mechanical interposition of collagen. Do not use the D-Stat if pulsatile arterial blood flow is observed at the femoral artery access site previously closed by suture/collagen-based hemostatic device. This may indicate incomplete closure of the arteriotomy and may result in inadvertent intraarterial injection of the D-Stat. The acute onset of severely diminished or absent pulses in the limb treated with the D-Stat may indicate that inadvertent intraarterial injection has occurred. If this is suspected, immediately perform appropriate diagnostic and therapeutic procedures for thrombus dissolution/removal. Do not use the D-Stat to treat residual oozing of a femoral artery access site tissue tract if a venous sheath was placed directly adjacent to the site. Inadvertent venous injection may occur. The safety and effectiveness of D-Stat has not been established for use to control bleeding following organ or tissue biopsies. Use of D-Stat in this situation has been reported to result in pain, seizures, bile retention, tissue necrosis, vascular occlusion and death..

ThrombiDisc™ Topical Hemostat*

PRODUCT NO.	DESCRIPTION
4150	ThrombiDisc™ Topical Hemostat

Packaged in quantities of 25 units per box. Individual units are not sold separately.
The ThrombiDisc™ Topical Hemostat is applied topically as adjunct to manual compression and is indicated for the control of surface bleeding from vascular access sites and percutaneous catheters or tubes. ThrombiDisc™ Topical Hemostat contains silver chloride to prevent microorganisms commonly encountered in the clinical setting from colonizing on the pad.
*All Topical Hemostat products listed above are contraindicated in persons with known sensitivity to bovine-derived materials.

Intra-Aortic Balloon Pumping



Arrow® Intra-Aortic Balloon Catheters

PRODUCT NO.	CATHETER SIZE	BALLOON VOLUME	INSERTABLE LENGTH*	CENTRAL LUMEN I.D.	MAXIMUM GUIDEWIRE	BALLOON MEMBRANE MATERIAL	CATHETER MATERIAL	BALLOON MEMBRANE LENGTH	INFLATED DIAMETER
Arrow FiberOptix® IAB Catheter									
IAB-05830-LWS	8 Fr.	30 cc	23.8" (60.5 cm)	0.027"	.025"	Cardiothane® II	Polyurethane/ Nylon	9.1" (230 mm)	13.9 mm
IAB-05840-LWS	8 Fr.	40 cc	26.0" (66.0 cm)	0.027"	.025"	Cardiothane® II	Polyurethane/ Nylon	10.2" (260 mm)	15 mm
Arrow UltraFlex™ 7.5 IAB Catheter									
IAB-06830-U	7.5 Fr.	30 cc	23.8" (66.0 cm)	0.027"	0.025"	Cardiothane® II	Polyurethane/ Stainless Steel**	9.1" (230 mm)	13.9 mm

PRODUCT NO.	CATHETER SIZE	BALLOON VOLUME	INSERTABLE LENGTH*	CENTRAL LUMEN I.D.	MAXIMUM GUIDEWIRE	BALLOON MEMBRANE MATERIAL	CATHETER MATERIAL	BALLOON MEMBRANE LENGTH	INFLATED DIAMETER
IAB-06840-U	7.5 Fr.	40 cc	26.0" (66.0 cm)	0.027"	0.025"	Cardiothane® II	Polyurethane/ Stainless Steel**	10.2" (260 mm)	15 mm
Arrow Ultra 8® Catheter									
IAB-05830-U	8 Fr.	30 cc	23.8" (60.5 cm)	0.027"	0.025"	Cardiothane® II	Polyurethane	9.1" (230 mm)	13.9 mm
IAB-05840-U	8 Fr.	40 cc	26" (66.0 cm)	0.027"	0.025"	Cardiothane® II	Polyurethane	10.2" (260 mm)	15 mm
Arrow RediGuard® Catheter									
IAB-S730C	7 Fr.	30 cc	26.8" (68.1 cm)	0.027"	0.025"	Cardiothane® II	Polyurethane	9.1" (230 mm)	13.9 mm
IAB-S840C	8 Fr.	40 cc	26.0" (66.0 cm)	0.027"	0.025"	Cardiothane® II	Polyurethane	10.2" (260 mm)	15 mm
IAB-R950-U	9 Fr.	50 cc	26.0" (66.0 cm)	0.027"	0.025"	Cardiothane® II	Polyurethane	10.3" (262 mm)	16 mm

*Sheathless insertions without hemostasis device. **Wire-reinforced catheter body.
Not made with natural rubber latex. The products above are also available in multiple languages.
There are three primary indications for IABP use: acute coronary syndrome, cardiac and non-cardiac surgery and complications of heart failure.

Arrow® Intra-Aortic Ballon Pump Accessories

PRODUCT NO.	DESCRIPTION
Replacement Insertion Kits	
IAK-06845	Replacement insertion kit for use with 30 and 40 cc UltraFlex™, Ultra®8, FiberOptix® IAB Catheters
IAK-S7IT	Replacement insertion kit for use with RediGuard® 30 cc IAB catheters
IAK-S8IT	Replacement insertion kit for use with RediGuard® 40 cc IAB catheters
Adaptors and Driveline Tubing	
IAK-02691	Driveline tubing with pre-attached Arrow 30 cc pump connector for use with Arrow pump consoles, fiber optic, and fluid-filled 30 cc IAB catheters
IAK-02692	Driveline tubing with pre-attached Arrow® 40 cc Pump Connector for use with Arrow® Pump Consoles, and all Arrow® 40 cc IAB Catheters
IAK-02263	Driveline tubing for use with Datascope® Balloon Pumps and fiber optic 30 cc and 40 cc IAB catheters
Additional Accessories	
IAA-09004	Chart Paper (Box of 10)
IAA-00170	IV pole mounting bracket for AC2 AutoCAT2WAVE and AutoCAT2
IAA-00171	IV pole mounting bracket for AC3 Optimus® IABP
IAA-00437	5 Lead EKG Cable Assembly
IAA-03270	0.025" in x 175cm Teflon® Coated - 3mm "J" Extra Stiff Wire Guide*
IAU-00100	Extra IABP Battery Set
IAH-09145	Disposable Helium Adaptor
28-3000-001	Yellow Fiber Connector
Helium	
IAH-09045	Helium, 33 liter, 500 psi (4 per box)
IAH-09048	Helium Tank, 105 liter (each)
Operator and Service Manuals	
IAM-9007	AutoCAT2WAVE® Operators Manual
IAM-9008	AutoCAT2WAVE® Service Manual
IAM-9010	AC3 Optimus® Operators Manual
IAM-9011	AC3 Optimus® Service Manual

Packaged in quantities of 1 unit per box.
*Packaged in quantities of 5 units per box

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PRODUCT NO.	DESCRIPTION
IAB StatLock® Stabilization Device	
IB0200	StatLock® Stabilization Device

Packaged in quantities of 20 units per box. Individual units are not sold separately.
There are three primary indications for IABP use: acute coronary syndrome, cardiac and non-cardiac surgery and complications of heart failure.

Arrow® Intra-Aortic Balloon Pumps

PRODUCT NO.	DESCRIPTION
AC3 Optimus™ IABP System includes:	
IAP-0700	• FiberOptix® Sensor Technology • WAVE® Algorithm: Physiologically based proprietary timing algorithm • Aortic flow timing method • AutoPilot® Mode of operation • Touchscreen • Dynamic Startup Checklist • Therapy Report • Improved Ergonomics
Simulators	
IAT-00025	Balloon-in-Tube Simulator
IAT-00201	Universal Patient Simulator
IAT-09844	Low Level AP Cable

There are three primary indications for IABP use: acute coronary syndrome, cardiac and non-cardiac surgery and complications of heart failure.

Implantable Ports

Arrow® Polysite® Low Profile Hybrid Ports

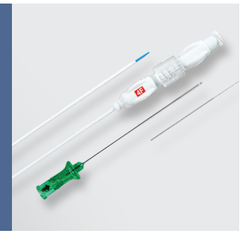
PRODUCT NO.	DESCRIPTION	SILICONE FILLED SUTURE HOLES	WITH SAFETY SHEATH	PRESSURE INJECTABLE (5 ML/SEC AT 300 PSI)	SIZE	CATHETER ID	FLOW RATE*
Polysite® Low Profile Hybrid Ports Micro 2000 Series							
2016SPI	Polysite® Pressure Injectable Implantable Infusion Port with 6 Fr. 45 cm Attachable ChronoFlex® Catheter	✓	✓		6 Fr.	1.30 mm	1327 mL/h
2016PI	Polysite® Pressure Injectable Implantable Infusion Port with 6 Fr. 45 cm Attachable ChronoFlex® Catheter		✓		6 Fr.	1.30 mm	1327 mL/h
2016SC	Polysite® Implantable Infusion Port with 6 Fr. 80 cm Attachable ChronoFlex® Catheter	✓			6 Fr.	1.30 mm	1165 mL/h
2016C	Polysite® Implantable Infusion Port with 6 Fr. 80 cm Attachable ChronoFlex® Catheter				6 Fr.	1.30 mm	1165 mL/h
Polysite® Low Profile Hybrid Ports Standard 3000 Series							
3017SPI	Polysite® Pressure Injectable Implantable Infusion Port with 7 Fr. 60 cm Attachable ChronoFlex® Catheter	✓	✓		7 Fr.	1.45 mm	1581 mL/h
3017PI	Polysite® Pressure Injectable Implantable Infusion Port with 7 Fr. 60 cm Attachable ChronoFlex® Catheter		✓		7 Fr.	1.45 mm	1581 mL/h
3017SC	Polysite® Implantable Infusion Port with 7 Fr. 80 cm Attachable ChronoFlex® Catheter	✓			7 Fr.	1.45 mm	1457 mL/h
3017C	Polysite® Implantable Infusion Port with 7 Fr. 80 cm Attachable ChronoFlex® Catheter				7 Fr.	1.30 mm	1457 mL/h
Polysite® Low Profile Hybrid Ports Standard 4000 Series							
4018SPI	Polysite® Pressure Injectable Implantable Infusion Port with 8 Fr. 60 cm Attachable ChronoFlex® Catheter	✓	✓		8 Fr.	1.70 mm	2042 mL/h
4018PI	Polysite® Pressure Injectable Implantable Infusion Port with 8 Fr. 60 cm Attachable ChronoFlex® Catheter		✓		8 Fr.	1.70 mm	2042 mL/h
4018SC	Polysite® Implantable Infusion Port with 8 Fr. 80 cm Attachable ChronoFlex® Catheter	✓			8 Fr.	1.70 mm	1913 mL/h
4018C	Polysite® Implantable Infusion Port with 8 Fr. 80 cm Attachable ChronoFlex® Catheter				8 Fr.	1.70 mm	1913 mL/h

*Flow rate (mL/h) using 19 Ga. Huber needle

Packaged in quantities of 1 unit per box.

Polysite® PI Implantable Infusion Ports are indicated for long-term access to the central venous system and allow for repeated vascular access. Polysite® PI Implantable Infusion Ports can be used to administer chemotherapy, antibiotics and antiviral drugs, as well as for parenteral nutrition, collection of blood samples and transfusion of blood or blood products. Polysite® PI Implantable Infusion Ports also can be used for high pressure injection of contrast media during diagnostic studies. The maximum flow rate of power injector equipment used with the pressure injectable port may not exceed 5 mL/sec (300 psi). For high pressure injection of contrast media, a high pressure non-coring needle must be used to access the Polysite® PI Implanted Port. The manufacturer recommends the use of a PPS PI™ (Pressure Injectable) Safety Non-Coring Huber Needle.

Interventional Access



Arrow® Percutaneous Sheath Introducers

PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	GUIDEWIRE DESCRIPTION	COLOR-CODED HUB
Percutaneous Sheath Introducers						
CP-08403*	4 Fr.	7.5 cm	0.021"	45 cm	Dual purpose (straight soft tip on one end, J-tip on the other end)	Pink
CP-08503*	5 Fr.	7.5 cm	0.021"	45 cm		Gray
CP-08503-A	5 Fr.	11 cm	0.035"	45 cm		Gray
CP-08603-P*	6 Fr.	7.5 cm	0.021"	45 cm		Green
CP-08603	6 Fr.	11 cm	0.035"	45 cm		Green
CP-08703	7 Fr.	11 cm	0.035"	45 cm		Orange
CP-08803	8 Fr.	11 cm	0.035"	45 cm		Blue
CP-08903	9 Fr.	11 cm	0.035"	45 cm		Black

Packaged in quantities of 10 units per box. Individual units are not sold separately.
The Arrow® Percutaneous Sheath Introducer is intended for use in the hospital catheterization laboratory for the percutaneous introduction of various devices into veins and/or arteries in a variety of diagnostic and therapeutic procedures.

GrebSet® Micro-Introducer Kit

PRODUCT NO.	DESCRIPTION	SHEATH LENGTH	NEEDLE	GUIDEWIRE LENGTH
7941	5 Fr. Grebset	45 cm	21 Ga. x 15 cm Echogenic Trocar Needle with Depth Markings and Locking Stylet	100 cm
7950	5 Fr. Grebset	30 cm	21 Ga. x 7 cm Echogenic Needle	70 cm
7951	5 Fr. Grebset	30 cm	21 Ga. x 15 cm Marked, Echogenic Trocar Needle	70 cm
7952	5 Fr. Grebset	30 cm	21 Ga. x 15 cm Echogenic Trocar Needle with Depth Markings and Locking Stylet	70 cm

Packaged in quantities 10 units per box. Individual units are not sold separately.
The GrebSet® Micro-Introducer Kit is indicated for use in percutaneous introduction and placement of catheters and guidewires.

OptiSeal® Valved Peelable Introducer

PRODUCT NO.	SIZE	SHEATH I.D.	SHEATH LENGTH	COLOR
1003975-001	6 Fr.	0.086"	13 cm	Dark Green
1003975-002	7 Fr.	0.099"	13 cm	Orange
1003975-003	8 Fr.	0.112"	13 cm	Light Blue
1003975-004	9 Fr.	0.125"	13 cm	Black
1003975-005	10 Fr.	0.138"	13 cm	White
1003975-006	11 Fr.	0.151"	13 cm	Blue
1003975-007	12 Fr.	0.164"	13 cm	Beige
1003975-008	6 Fr.	0.086"	25 cm	Dark Green
1003975-009	7 Fr.	0.099"	25 cm	Orange
1003975-010	8 Fr.	0.112"	25 cm	Light Blue
1003975-011	9 Fr.	0.125"	25 cm	Black

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PRODUCT NO.	SIZE	SHEATH I.D.	SHEATH LENGTH	COLOR
1003975-012	10 Fr.	0.138"	25 cm	White
1003975-013	11 Fr.	0.151"	25 cm	Blue
1003975-014	12 Fr.	0.164"	25 cm	Beige

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The OptiSeal® Valved PTFE Peelable Introducer is intended for use in percutaneous insertion of pacing leads or catheters in the venous system.

SmartNeedle® Vascular Access System—Needles

PRODUCT NO.	DESCRIPTION	NEEDLE USABLE LENGTH	NEEDLE O.D.	CATHETER USABLE LENGTH	CATHETER O.D.	MAX CATHETER GUIDEWIRE	MAX NEEDLE GUIDEWIRE
Bare Tip Needles							
78030	22G Bare Tip Needle	1.875" / 48 mm	22 Ga.	N/A	N/A	0.021" / 0.53 mm	N/A
78040	20G Bare Tip Needle	1.50" / 38 mm	20 Ga.	N/A	N/A	0.025" / 0.64 mm	N/A
78050	18G Bare Tip Needle	2.75" / 70 mm	18 Ga.	N/A	N/A	0.038" / 0.97 mm	N/A
78060	18G Extended Bare Tip Needle	3.50" / 89 mm	18 Ga.	N/A	N/A	0.038" / 0.97 mm	N/A

78060 packaged in quantities of 5 units per box. All others packaged in quantities of 10 units per box. Individual units are not sold separately.
Use of the SmartNeedle® Device is indicated when blood flow must be detected for percutaneous vessel cannulation. The vessel must be of a caliber which would normally be punctured with a needle and/or catheter of this size or larger.

Super Arrow-Flex® Sheath Introducer Sets with Wire Guides

COLOR CODE	PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	WIRE GUIDE LENGTH	WIRE GUIDE DIAMETER	WIRE GUIDE TIP DESCRIPTION
	CP-07511-P	5 Fr.	7.5 cm	45 cm	0.021"	Dual purpose J-tip
	CP-07511	5 Fr.	11 cm	45 cm	0.035"	
	CP-07611-P	6 Fr.	7.5 cm	45 cm	0.021"	
	CP-07611	6 Fr.	11 cm	45 cm	0.035"	
	CP-07711	7 Fr.	11 cm	45 cm	0.035"	
	CP-07811	8 Fr.	11 cm	45 cm	0.035"	
	CP-07911	9 Fr.	11 cm	45 cm	0.035"	
	CP-07011	10 Fr.	11 cm	45 cm	0.035"	

Packaged in quantities 10 units per box. Individual units are not sold separately.
The Arrow® Percutaneous Sheath Introducer is intended for use in the hospital catheterization laboratory for the percutaneous introduction of various devices into veins and/or arteries in a variety of diagnostic and therapeutic procedures.

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Super Arrow-Flex® Sheath Introducer Sets without Wire Guides

COLOR CODE	PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	SETS PER CASE
5 Fr. Introducers				
	CL-07511	5 Fr.	11 cm	10
	CL-07524	5 Fr.	24 cm	5
	CL-07545	5 Fr.	45 cm	5
	CL-07565	5 Fr.	65 cm	5
	CL-07590	5 Fr.	90 cm	2
6 Fr. Introducers				
	CL-07611	6 Fr.	11 cm	10
	CL-07624	6 Fr.	24 cm	5
	CL-07635	6 Fr.	35 cm	5
	CL-07645	6 Fr.	45 cm	5
	CR-07645*	6 Fr.	45 cm (Renal)	5
	CL-07665	6 Fr.	65 cm	5
	CL-07690	6 Fr.	90 cm	2
7 Fr. Introducers				
	CL-07711	7 Fr.	11 cm	10
	CL-07724	7 Fr.	24 cm	5
	CL-07735	7 Fr.	35 cm	5
	CL-07745	7 Fr.	45 cm	5
	CR-07745*	7 Fr.	45 cm (Renal)	5
	CR-07745-NT†	7 Fr.	45 cm (Renal)	5
	CL-07765	7 Fr.	65 cm	5
	CL-07780	7 Fr.	80 cm	2
	CL-07790-R*	7 Fr.	90 cm (Carotid)	2
	CL-07700	7 Fr.	100 cm	2
8 Fr. Introducers				
	CL-07811	8 Fr.	11 cm	10
	CL-07824	8 Fr.	24 cm	5
	CL-07835	8 Fr.	35 cm	5
	CL-07845	8 Fr.	45 cm	5
	CT-07860	8 Fr.	60 cm (Transseptal)	2
	CL-07865	8 Fr.	65 cm	5
	CL-07880	8 Fr.	80 cm	2
	CL-07800	8 Fr.	100 cm	2
9 Fr. Introducers				
	CL-07911	9 Fr.	11 cm	10
	CL-07924	9 Fr.	24 cm	5
	CL-07965	9 Fr.	65 cm	5
	CL-07980	9 Fr.	80 cm	2
	CL-07900	9 Fr.	100 cm	2
10 Fr. Introducers				
	CL-07011	10 Fr.	11 cm	10
	CL-07024	10 Fr.	24 cm	5
	CL-07035	10 Fr.	35 cm	5
	CL-07045	10 Fr.	45 cm	5

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COLOR CODE	PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	SETS PER CASE
	CL-07065	10 Fr.	65 cm	5
	CL-07080	10 Fr.	80 cm	2
11 Fr. Introducers				
	CL-71165	11 Fr.	65 cm	5
	CL-71180	11 Fr.	80 cm	2

*These products include a special Tuohy Borst "Y" Adapter with Side Arm Extension.
†Touhy-Borst "Y" Adapter is not included with this product.
Individual units are not sold separately.
The Arrow® Percutaneous Sheath Introducer is intended for use in the hospital catheterization laboratory for the percutaneous introduction of various devices into veins and/or arteries in a variety of diagnostic and therapeutic procedures.

VSI Micro-Introducer Kits™

PRODUCT NO.	INTRODUCER SIZE	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	21 GAUGE NEEDLE	NEEDLE LENGTH	DILATOR TYPE
Stainless Steel Mandrel—Stainless Steel Soft Tip						
7242V	4 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7198V	4 Fr.	0.018"	40 cm	Echogenic	4 cm	Regular
7246V	4 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7260V	4 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
7268V	4 Fr.	0.018"	40 cm	Smooth	7 cm	Stiffen
7259V	4 Fr.	0.018"	40 cm, 9 cm tip	Echogenic	7 cm	Regular
7243V	4 Fr.	0.018"	60 cm	Echogenic	7 cm	Regular
7247V	4 Fr.	0.018"	60 cm	Smooth	7 cm	Regular
7202V	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7206V	5 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7261V	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
7269V	5 Fr.	0.018"	40 cm	Smooth	7 cm	Stiffen
7207V	5 Fr.	0.018"	60 cm	Smooth	7 cm	Regular
Stainless Steel Mandrel—Tungsten Soft Tip						
7244V	4 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7262V	4 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
7245V	4 Fr.	0.018"	60 cm	Smooth	7 cm	Regular
7274V	4 Fr.	0.018"	40 cm	Smooth	7 cm	Stiffen
7199V	4 Fr.	0.018"	40 cm	Echogenic	4 cm	Regular
9222V	4 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7204V	5 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7193V	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7263V	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
7205V	5 Fr.	0.018"	60 cm	Smooth	7 cm	Regular
Nitinol Mandrel—Stainless Steel Soft Tip						
7240V	4 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7248V	4 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7253V	4 Fr.	0.018"	40 cm	Smooth	4 cm	Regular
7194V	4 Fr.	0.018"	40 cm	Echogenic	4 cm	Regular
7264V	4 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
7270V	4 Fr.	0.018"	40 cm	Smooth	7 cm	Stiffen
7241V	4 Fr.	0.018"	60 cm	Echogenic	7 cm	Regular

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PRODUCT NO.	INTRODUCER SIZE	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	21 GAUGE NEEDLE	NEEDLE LENGTH	DILATOR TYPE
7249V	4 Fr.	0.018"	60 cm	Smooth	7 cm	Regular
7200V	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7208V	5 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7265V	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
7271V	5 Fr.	0.018"	40 cm	Smooth	7 cm	Stiffen
7201V	5 Fr.	0.018"	60 cm	Echogenic	7 cm	Regular
7209V	5 Fr.	0.018"	60 cm	Smooth	7 cm	Regular
7254V	5 Fr.	0.018"	40 cm	Smooth	4 cm	Regular
Nitinol Mandrel—Tungsten Soft Tip						
7229V	4 Fr.	0.018"	40 cm	Smooth	4 cm	Stiffen
7266V	4 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
7280V	4 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7255V	4 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7195V	4 Fr.	0.018"	40 cm	Smooth	7 cm	Stiffen
7273V	4 Fr.	0.018"	40 cm / Angled Tip	Smooth	7 cm	Stiffen
9217V	4 Fr.	0.018"	40 cm / Angled Tip	Echogenic	7 cm	Stiffen
9218V	4 Fr.	0.018"	40 cm / Angled Tip	Smooth	7 cm	Regular
9219V	4 Fr.	0.018"	40 cm / Angled Tip	Echogenic	7 cm	Regular
7267V	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
7272V	5 Fr.	0.018"	40 cm	Smooth	7 cm	Stiffen
7250V	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7256V	5 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7218V	5 Fr.	0.018"	40 cm / Angled Tip	Smooth	7 cm	Stiffen
9220V	5 Fr.	0.018"	40 cm / Angled Tip	Echogenic	7 cm	Stiffen
7219V	5 Fr.	0.018"	40 cm / Angled Tip	Smooth	7 cm	Regular
9221V	5 Fr.	0.018"	40 cm / Angled Tip	Echogenic	7 cm	Regular
7210V	5 Fr.	0.018"	60 cm	Echogenic	7 cm	Regular
Angled Tip Introducer—Nitinol Mandrel—Tungsten Soft Tip						
7220V	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
15 cm—Nitinol Mandrel—Tungsten Soft Tip						
9200V	4 Fr.	0.018"	60 cm	Echogenic	9 cm	Stiffen
9201V	4 Fr.	0.018"	60 cm	Smooth	9 cm	Stiffen
9202V	4 Fr.	0.018"	60 cm	Echogenic	9 cm	Regular
9203V	4 Fr.	0.018"	60 cm	Smooth	9 cm	Regular
9208V	5 Fr.	0.018"	60 cm	Echogenic	9 cm	Stiffen
9209V	5 Fr.	0.018"	60 cm	Smooth	9 cm	Stiffen
9210V	5 Fr.	0.018"	60 cm	Echogenic	9 cm	Regular
9211V	5 Fr.	0.018"	60 cm	Smooth	9 cm	Regular
30 cm Stiffen—Nitinol Mandrel—Tungsten Soft Tip						
7230V	4 Fr.	0.018"	80 cm / Angled Tip	Smooth	7 cm	30 cm Stiffen
7231V	5 Fr.	0.018"	80 cm / Angled Tip	Smooth	7 cm	30 cm Stiffen

Packaged in quantities of 10 units per box. Individual units are not sold separately.

VSI Micro-Introducer Kits™ are intended for use in percutaneous introduction of up to a 0.018 inch or 0.038 inch guidewire or catheter into the vascular system following a small gauge needle stick.

VSI Micro-Introducer Kits™ with X-Sharp® Needles

PRODUCT NO.	INTRODUCER SIZE	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	21 GAUGE NEEDLE	NEEDLE LENGTH	STIFFEN OR REGULAR DILATOR
Nitinol Mandrel—Stainless Steel Soft Tip						
7200X	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7208X	5 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
Nitinol Mandrel—Tungsten Soft Tip						
7195X	4 Fr.	0.018"	40 cm	Smooth	7 cm	Stiffen
7255X	4 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7273X	4 Fr.	0.018"	40 cm / Angled Tip	Smooth	7 cm	Stiffen
7250X	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Regular
7256X	5 Fr.	0.018"	40 cm	Smooth	7 cm	Regular
7272X	5 Fr.	0.018"	40 cm	Smooth	7 cm	Stiffen
7267X	5 Fr.	0.018"	40 cm	Echogenic	7 cm	Stiffen
30 cm Stiffen—Nitinol Mandrel—Tungsten Soft Tip						
7230X	4 Fr.	0.018"	80 cm	Smooth	7 cm	Stiffen

Packaged in quantities of 10 units per box. Individual units are not sold separately.

VSI Micro-Introducer Kits™ are intended for use in percutaneous introduction of up to a 0.018 inch or 0.038 inch guidewire or catheter into the vascular system following a small gauge needle stick.

VSI Pedal Micro-Introducer Kit™

PRODUCT NO.	INTRODUCER SIZE	SHEATH WORKING LENGTH	NEEDLE	WIRE DIAMETER	WIRE LENGTH	WIRE MANDREL	WIRE COIL TIP	WIRE TIP SHAPE
7215V	2.3 Fr.	10 cm	21 Ga. × 4 cm Smooth Needle	0.018"	40 cm	Nitinol	Tungsten	Angled
7214V	2.3 Fr.	10 cm	21 Ga. × 4 cm Echogenic Needle	0.018"	40 cm	Nitinol	Tungsten	Angled

Packaged in quantities of 10 units per box. Individual units are not sold separately.

PRODUCT NO.	DESCRIPTION
7216	Hemostasis Valve Adaptor

The Hemostasis Valve Adaptor will attach to any standard size luer lock and will accept 8 Fr. and smaller devices through its hemostasis valve.

Packaged in quantities of 10 units per box. Individual units are not sold separately.

The VSI Pedal Micro-Introducer Kit™ is used for percutaneous introduction of up to a 0.018 inch guidewire into the vascular system following a small gauge needle stick. The intended use of the Hemostasis Valve Adaptor is to minimize blood loss during the introduction of catheters or devices into the vasculature, and provide a side arm and three way stopcock to facilitate aspiration or infusion.

VSI Micro-HV Introducer Kit™

PRODUCT NO.	INTRODUCER SIZE	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	21G NEEDLE	NEEDLE LENGTH	SHEATH LENGTH	SHEATH COATING	GUIDEWIRE MANDREL	GUIDEWIRE COIL TIP
4 Fr. Introducers									
8902	4 Fr.	0.018"	40 cm	Smooth	4 cm	5.5 cm	Siliconized	Nitinol	Stainless Steel
8903	4 Fr.	0.018"	40 cm	Smooth	4 cm	5.5 cm	Hydrophilic	Nitinol	Stainless Steel
8909	4 Fr.	0.018"	40 cm	Smooth	4 cm	12 cm	Hydrophilic	Nitinol	Stainless Steel
8910	4 Fr.	0.018"	40 cm	Smooth	7 cm	12 cm	Siliconized	Nitinol	Stainless Steel
8916	4 Fr.	0.018"	60 cm	Smooth	7 cm	24 cm	Siliconized	Nitinol	Stainless Steel
8917	4 Fr.	0.018"	60 cm	Smooth	7 cm	24 cm	Hydrophilic	Nitinol	Stainless Steel
5 Fr. Introducers									
8928	5 Fr.	0.018"	40 cm	Smooth	4 cm	5.5 cm	Hydrophilic	Nitinol	Stainless Steel
8932	5 Fr.	0.018"	40 cm	Smooth	2 cm	12 cm	Hydrophilic	Nitinol	Stainless Steel
8933	5 Fr.	0.018"	40 cm	Smooth	4 cm	12 cm	Siliconized	Nitinol	Stainless Steel
8934	5 Fr.	0.018"	40 cm	Smooth	4 cm	12 cm	Hydrophilic	Nitinol	Stainless Steel
8935	5 Fr.	0.018"	40 cm	Smooth	7 cm	12 cm	Siliconized	Nitinol	Stainless Steel
8940	5 Fr.	0.018"	60 cm	Smooth	4 cm	24 cm	Hydrophilic	Nitinol	Stainless Steel

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PRODUCT NO.	INTRODUCER SIZE	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	21G NEEDLE	NEEDLE LENGTH	SHEATH LENGTH	SHEATH COATING	GUIDEWIRE MANDREL	GUIDEWIRE COIL TIP
6 Fr. Introducers									
8953	6 Fr.	0.018"	40 cm	Smooth	4 cm	5.5 cm	Hydrophilic	Nitinol	Stainless Steel
8956	6 Fr.	0.018"	40 cm	Smooth	2 cm	12 cm	Siliconized	Nitinol	Stainless Steel
8958	6 Fr.	0.018"	40 cm	Smooth	4 cm	12 cm	Siliconized	Nitinol	Stainless Steel
8959	6 Fr.	0.018"	40 cm	Smooth	4 cm	12 cm	Hydrophilic	Nitinol	Stainless Steel
7 Fr. Introducers									
8975	7 Fr.	0.018"	40 cm	Smooth	4 cm	12 cm	Siliconized	Nitinol	Stainless Steel
8977	7 Fr.	0.018"	40 cm	Smooth	7 cm	12 cm	Siliconized	Nitinol	Stainless Steel
8978	7 Fr.	0.018"	40 cm	Smooth	7 cm	12 cm	Hydrophilic	Nitinol	Stainless Steel
8979	7 Fr.	0.018"	40 cm	Smooth	7 cm	7 cm	Siliconized	Nitinol	Stainless Steel

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The VSI Micro-HV Micro-Introducer Kit™ is indicated for use in percutaneous procedures to introduce catheters and other intravascular devices into the vasculature.

VSI Radial™ Micro-HV Introducer Kit

PRODUCT NO.	INTRODUCER SIZE	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	21G NEEDLE	NEEDLE LENGTH	SHEATH LENGTH	SHEATH COATING	GUIDEWIRE MANDREL	GUIDEWIRE COIL TIP
7450	5 Fr.	0.018"	45 cm	Smooth	4 cm	12 cm	Siliconized	Nitinol	Gold
7451	6 Fr.	0.018"	45 cm	Smooth	4 cm	12 cm	Siliconized	Nitinol	Gold

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The VSI Micro-HV Micro-Introducer Kit™ is indicated for use in percutaneous procedures to introduce catheters and other intravascular devices into the vasculature.

VSI De-Clot Micro-HV Introducer Kits™

PRODUCT NO.	INTRODUCER SIZE	SIDEHOLES	LARGE-BORE SIDEARM WITH PINCH CLAMP	STANDARD SIDEARM WITH 3-WAY STOPCOCK	GUIDEWIRE LENGTH	GUIDEWIRE MANDREL	GUIDEWIRE COIL TIP	NEEDLE LENGTH	RED & BLUE LUER CAPS
7460	5 Fr.	3	Yes	N/A	40 cm	Nitinol	Stainless Steel	4 cm	Yes
7461	6 Fr.	3	Yes	N/A	40 cm	Nitinol	Stainless Steel	4 cm	Yes
7462	7 Fr.	3	Yes	N/A	40 cm	Nitinol	Stainless Steel	4 cm	Yes
7463	5 Fr.	N/A	N/A	Yes	40 cm	Nitinol	Stainless Steel	4 cm	N/A
7464	6 Fr.	N/A	N/A	Yes	40 cm	Nitinol	Stainless Steel	4 cm	N/A
7465	7 Fr.	N/A	N/A	Yes	40 cm	Nitinol	Stainless Steel	4 cm	N/A

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The VSI De-Clot Micro-HV Introducer Kit™ is indicated for use in percutaneous procedures to introduce catheters and other intravascular devices into the vasculature.

VSI StraitSet™ Micro-Introducer Kits

PRODUCT NO.	DESCRIPTION	NEEDLE	SHEATH COATING	0.018" MANDREL	0.018" COIL TIP	0.038" GUIDEWIRE
7960	6 Fr. StraitSet	21 Ga. × 7 cm Echogenic Needle	Hydrophilic	Nitinol	Gold	N/A
7961	6 Fr. StraitSet	21 Ga. × 15 cm Echogenic Trocar Needle with Depth Markings and Locking Stylet	Hydrophilic	Nitinol	Gold	N/A
7962	6 Fr. StraitSet	21 Ga. × 15 cm Echogenic Trocar Needle with Depth Markings and Locking Stylet	Hydrophilic	Stainless Steel	Gold	N/A
7964	6 Fr. StraitSet	21 Ga. × 15 cm Echogenic Trocar Needle with Depth Markings and Locking Stylet	Hydrophilic	Nitinol	Gold	Yes
7965	6 Fr. StraitSet	21 Ga. × 15 cm Echogenic Trocar Needle with Depth Markings and Locking Stylet	Hydrophilic	Stainless Steel	Gold	Yes

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PRODUCT NO.	DESCRIPTION	NEEDLE	SHEATH COATING	0.018" MANDREL	0.018" COIL TIP	0.038" GUIDEWIRE
7971	6 Fr. StraitSet	21 Ga. × 15 cm Echogenic Trocar Needle with Depth Markings and Locking Stylet	Siliconized	Nitinol	Gold	N/A

Packaged in quantities of 10 units per box. Individual units are not sold separately.
The VSI StraitSet® Micro-Introducer Kit is indicated for use in percutaneous introduction and placement of catheters and guidewires.

X-Sharp® Percutaneous Entry Thinwall Needles

PRODUCT NO.	NEEDLE SIZE	NEEDLE LENGTH	NEEDLE TYPE
7730	21 Ga.	7 cm	Smooth
7731	21 Ga.	7 cm	Echogenic
7732	21 Ga.	4 cm	Smooth
7733	21 Ga.	4 cm	Echogenic

Packaged in quantities of 25 units per box. Individual units are not sold separately.

Powered Bone Access System

Arrow® OnControl® Powered Driver

PRODUCT NO.	DESCRIPTION
9401	Powered Driver

Packaged in quantities of 1 unit per box.

Arrow® OnControl® Bone Lesion Biopsy Tray

PRODUCT NO.	NEEDLE GAUGES
9465-VC-006	10 Ga. access / 12 Ga. biopsy
9463-VC-006	10 Ga. access / 12 Ga. biopsy
9461-VC-006	10 Ga. access / 12 Ga. biopsy
9466-VC-006	11 Ga. access / 13 Ga. biopsy
9464-VC-006	11 Ga. access / 13 Ga. biopsy
9462-VC-006	11 Ga. access / 13 Ga. biopsy
Bone Lesion Biopsy Tray includes:	
Bone Access Needle Set Bone Access Ejector Rod Bone Lesion Biopsy Needle Bone Lesion Biopsy Ejector Rod	Connector with Sterile Sleeve Manual Handle—for minor adjustment Transfer Rod—for marking the access

Packaged in quantities of 6 units per box. Individual units are not sold separately.
The Arrow® OnControl® Bone Marrow Aspiration System is intended for bone marrow aspiration of the iliac crest of adult and pediatric patients. The Arrow® OnControl® Bone Marrow Biopsy System is intended for bone marrow core biopsy of the anterior or posterior iliac crest of adult patients. The Arrow® OnControl® Bone Lesion Biopsy System is intended for bone biopsy of the vertebral body and bone lesions. The Arrow® OnControl® Powered Bone Marrow Biopsy System and Powered Bone Lesion Biopsy System should not be used by clinicians unfamiliar with the complications, limitations, indications, and contraindications of bone marrow aspiration and biopsy.

Arrow® OnControl® Bone Marrow Biopsy Trays

PRODUCT NO.	NEEDLE GAUGES	BIOPSY LENGTH
Comprehensive System Trays		
9458-VC-006	11 Ga.	102 mm
9451-VC-006	11 Ga.	152 mm
Biopsy System Trays		
9408-VC-006	11 Ga.	102 mm
9411-VC-006	11 Ga.	152 mm
Sterile Procedure Tray with Only Sterile Connector and Sleeve		
9403-VC-006	N/A	N/A

Packaged in quantities of 6 units per box. Individual units are not sold separately..

Arrow® OnControl® Bone Marrow Biopsy Needles

PRODUCT NO.	DESCRIPTION	NEEDLE GAUGES
9402-VC-006	152 mm	11 Ga.
9407-VC-006	102 mm	11 Ga.

Packaged in quantities of 6 units per box. Individual units are not sold separately.
The Arrow® OnControl® Bone Marrow Biopsy System is intended for bone marrow core biopsy of the anterior or posterior iliac crest of adult patients.

Arrow® OnControl® Aspiration Needles

PRODUCT NO.	NEEDLE GAUGES	BIOPSY LENGTH
Ported Aspiration Tray (ported needle)		
9471-VC-006	11 Ga.	102 mm
Aspiration Needles		
9425-VC-006	15 Ga.	25 mm
9468-VC-006	15 Ga.	68 mm
9490-VC-006	15 Ga.	90 mm

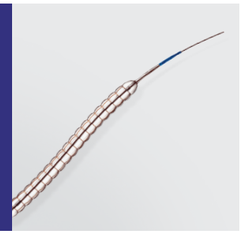
Packaged in quantities of 6 units per box. Individual units are not sold separately.
The Arrow® OnControl® Powered Bone Marrow Biopsy System and Powered Bone Lesion Biopsy System should not be used by clinicians unfamiliar with the complications, limitations, indications, and contraindications of bone marrow aspiration and biopsy.

Arrow® OnControl® Accessories

PRODUCT NO.	DESCRIPTION
9406	Non-Sterile Biopsy Training Tray (102 mm)
9420	Non-Sterile Aspiration Training (68 mm)
9428	Training Blocks
9495	Non-Sterile Biopsy Training Needle Set without Connector (11 Ga., 102 mm)
9404	Non-Sterile Connector

9428 packaged in quantities of 5 units per box. All others packaged in quantities of 1 unit per box.

PTCA Balloon Catheters



Chocolate XD® PTCA Balloon Catheter

PRODUCT NO.	GUIDEWIRE COMPATIBILIY	CATHETER LENGTH	BALLOON DIAMETER	CROSSING PROFILE	BALLOON LENGTH	NOMINAL PRESSURE	RATED BURST PRESSURE	GUIDE CATHETER COMPATIBILITY
CX14-140-2010 RX	0.014"	140 cm	2.0 mm	0.039" (1.00mm)	10 mm	10 atm	16 atm	5 Fr.
CX14-140-2015 RX	0.014"	140 cm	2.0 mm	0.039" (1.00mm)	15 mm	10 atm	16 atm	5 Fr.
CX14-140-2020 RX	0.014"	140 cm	2.0 mm	0.039" (1.00mm)	20 mm	10 atm	16 atm	5 Fr.
CX14-140-2510 RX	0.014"	140 cm	2.5 mm	0.040" (1.02mm)	10 mm	10 atm	16 atm	5 Fr.
CX14-140-2515 RX	0.014"	140 cm	2.5 mm	0.040" (1.02mm)	15 mm	10 atm	16 atm	5 Fr.
CX14-140-2520 RX	0.014"	140 cm	2.5 mm	0.040" (1.02mm)	20 mm	10 atm	16 atm	5 Fr.
CX14-140-3010 RX	0.014"	140 cm	3.0 mm	0.042" (1.07mm)	10 mm	10 atm	16 atm	6 Fr.
CX14-140-3015 RX	0.014"	140 cm	3.0 mm	0.042" (1.07mm)	15 mm	10 atm	16 atm	6 Fr.
CX14-140-3020 RX	0.014"	140 cm	3.0 mm	0.042" (1.07mm)	20 mm	10 atm	16 atm	6 Fr.
CX14-140-3510 RX	0.014"	140 cm	3.5 mm	0.043" (1.08mm)	10 mm	10 atm	16 atm	6 Fr.
CX14-140-3515 RX	0.014"	140 cm	3.5 mm	0.043" (1.08mm)	15 mm	10 atm	16 atm	6 Fr.
CX14-140-3520 RX	0.014"	140 cm	3.5 mm	0.043" (1.08mm)	20 mm	10 atm	16 atm	6 Fr.

Packaged in quantities of 1 unit per box.
The Chocolate XD® PTCA Balloon Dilatation Catheter is indicated for balloon dilatation of the stenotic portion of coronary artery or bypass graft stenosis for the purpose of improving myocardial perfusion including in-stent restenosis.
Crossing profile is defined as the maximum diameter found between the proximal end of the balloon and the distal tip of the catheter. The numbers above represent the average crossing profile (N=15 units) of each Chocolate XD® PTCA Balloon Catheter diameter.

Glider™ PTCA Balloon Catheter

PRODUCT NO.	GUIDEWIRE COMPATIBILIY	CATHETER LENGTH	BALLOON DIAMETER	CROSSING PROFILE	BALLOON LENGTH	NOMINAL PRESSURE	RATED BURST PRESSURE	TIP ENTRY	GUIDE CATHETER COMPATIBILITY
4100A-1504	0.014"	135 cm	1.5 mm	0.028" (0.72mm)	4.0 mm	11 atm	16 atm	0.016"	6 Fr.
4100A-1508	0.014"	135 cm	1.5 mm	0.028" (0.72mm)	8.0 mm	11 atm	16 atm	0.016"	6 Fr.
4100A-1512	0.014"	135 cm	1.5 mm	0.028" (0.72mm)	12.0 mm	11 atm	16 atm	0.016"	6 Fr.
4100A-1520	0.014"	135 cm	1.5 mm	0.028" (0.72mm)	20.0 mm	11 atm	16 atm	0.016"	6 Fr.
4100A-2004	0.014"	135 cm	2.0 mm	0.030" (0.76mm)	4.0 mm	11 atm	16 atm	0.016"	6 Fr.

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4100A-2008	0.014"	135 cm	2.0 mm	0.030" (0.76mm)	8.0 mm	11 atm	16 atm	0.016"	6 Fr.
4100A-2012	0.014"	135 cm	2.0 mm	0.030" (0.76mm)	12.0 mm	11 atm	16 atm	0.016"	6 Fr.
4100A-2020	0.014"	135 cm	2.0 mm	0.030" (0.76mm)	20.0 mm	11 atm	16 atm	0.016"	6 Fr.
4100A-2504	0.014"	135 cm	2.5 mm	0.031" (0.79mm)	4.0 mm	8 atm	16 atm	0.016"	6 Fr.
4100A-2508	0.014"	135 cm	2.5 mm	0.031" (0.79mm)	8.0 mm	8 atm	16 atm	0.016"	6 Fr.
4100A-2512	0.014"	135 cm	2.5 mm	0.031" (0.79mm)	12.0 mm	8 atm	16 atm	0.016"	6 Fr.
4100A-2520	0.014"	135 cm	2.5 mm	0.031" (0.79mm)	20.0 mm	8 atm	16 atm	0.016"	6 Fr.
4100A-3004	0.014"	135 cm	3.0 mm	0.033" (0.84mm)	4.0 mm	8 atm	16 atm	0.016"	6 Fr.
4100A-3008	0.014"	135 cm	3.0 mm	0.033" (0.84mm)	8.0 mm	8 atm	16 atm	0.016"	6 Fr.
4100A-3012	0.014"	135 cm	3.0 mm	0.033" (0.84mm)	12.0 mm	8 atm	16 atm	0.016"	6 Fr.
4100A-3020	0.014"	135 cm	3.0 mm	0.033" (0.84mm)	20.0 mm	8 atm	16 atm	0.016"	6 Fr.
4100A-3504	0.014"	135 cm	3.5 mm	0.035" (0.88mm)	4.0 mm	9 atm	14 atm	0.016"	6 Fr.
4100A-3508	0.014"	135 cm	3.5 mm	0.035" (0.88mm)	8.0 mm	9 atm	14 atm	0.016"	6 Fr.
4100A-3512	0.014"	135 cm	3.5 mm	0.035" (0.88mm)	12.0 mm	9 atm	14 atm	0.016"	6 Fr.
4100A-3520	0.014"	135 cm	3.5 mm	0.035" (0.88mm)	20.0 mm	9 atm	14 atm	0.016"	6 Fr.

Packaged in quantities of 1 units per box.
The Glider™ PTCA Balloon Dilatation Catheter is indicated for balloon dilatation of the stenotic portion of coronary artery or bypass graft stenosis for the purpose of improving myocardial perfusion. The Glider™ PTCA Balloon Dilatation Catheter is contraindicated for unprotected left main coronary artery and coronary artery spasm in the absence of a significant stenosis.
Crossing profile is defined as the maximum diameter found between the proximal end of the balloon and the distal tip of the catheter. The numbers above represent the average crossing profile (N=15 units) of each Glider™ PTCA Balloon Catheter diameter.

Radial Support

Accumed™ Wrist Positioning Splints

PRODUCT NO.	DESCRIPTION
3560	Accumed™ II Wrist Positioning Splint
3565	Accumed™ LP Wrist Positioning Splint

Packaged in quantities of 10 units per box. Individual units are not sold separately.
The Accumed™ Wrist Positioning Splint is designed to optimally position and stabilize the hand, wrist and forearm for arterial puncture and support during radial artery catheterization.

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Accumed™ Radial Arm Board

PRODUCT NO.	DESCRIPTION
3250	Accumed™ Radial Arm Board with Accumed™ Splint Stabilizer

The Accumed™ Splint Stabilizer is compatible with the Accumed™ Wrist Positioning Splint.
Packaged in quantities of 1 unit per box.
The Accumed™ Radial Arm Board is intended to position a patient's arm during a catheterization procedure.

Arrow® Transradial Artery Access Kits

PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	DILATOR STYLE	NEEDLE	GUIDEWIRE DESCRIPTION	GUIDEWIRE LENGTH
Arrow Options for Direct Access Technique						
AA-10407-1	4 Fr.	7 cm	Straight	21 g / 2.5 cm	Soft-tip stainless steel	45 cm
AA-10411-1	4 Fr.	11 cm	Straight	21 g / 2.5 cm	Soft-tip stainless steel	45 cm
AA-10507-1	5 Fr.	7 cm	Special	21 g / 2.5 cm	Soft-tip stainless steel	45 cm
AA-10511-1	5 Fr.	11 cm	Special	21 g / 2.5 cm	Soft-tip stainless steel	45 cm
AA-10524-1	5 Fr.	24 cm	Special	21 g / 2.5 cm	Soft-tip stainless steel	60 cm
AA-10607-1	6 Fr.	7 cm	Special	21 g / 2.5 cm	Soft-tip stainless steel	45 cm
AA-10611-1	6 Fr.	11 cm	Special	21 g / 2.5 cm	Soft-tip stainless steel	45 cm
AA-10624-1	6 Fr.	24 cm	Special	21 g / 2.5 cm	Soft-tip stainless steel	60 cm
AA-15511-3	5 Fr.	11 cm	Special	21 g / 4.0 cm	Super floppy-tip nitinol	45 cm
AA-15511-S	5 Fr.	11 cm	Straight	21 g / 4.0 cm	Super floppy-tip nitinol	45 cm
AA-15611-3	6 Fr.	11 cm	Special	21 g / 4.0 cm	Super floppy-tip nitinol	45 cm
AA-15611-S	6 Fr.	11 cm	Straight	21 g / 4.0 cm	Super floppy-tip nitinol	45 cm
Arrow® Options for Catheter-Over-Needle Technique						
AA-20407-1	4 Fr.	7 cm	Straight	20 g / 3.2 cm	Soft-tip stainless steel	45 cm
AA-20411-1	4 Fr.	11 cm	Straight	20 g / 3.2 cm	Soft-tip stainless steel	45 cm
AA-20507-1	5 Fr.	7 cm	Special	20 g / 3.2 cm	Soft-tip stainless steel	45 cm
AA20511-1	5 Fr.	11 cm	Special	20 g / 3.2 cm	Soft-tip stainless steel	45 cm
AA-20524-1	5 Fr.	24 cm	Special	20 g / 3.2 cm	Soft-tip stainless steel	60 cm
AA-20607-1	6 Fr.	7 cm	Special	20 g / 3.2 cm	Soft-tip stainless steel	45 cm
AA-20611-1	6 Fr.	11 cm	Special	20 g / 3.2 cm	Soft-tip stainless steel	45 cm
AA-20624-1	6 Fr.	24 cm	Special	20 g / 3.2 cm	Soft-tip stainless steel	60 cm

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The Transradial Artery Access devices are intended for use for percutaneous introduction of devices into the radial artery for diagnostic and therapeutic purposes.

D-Stat® Rad-Band® Topical Hemostat

PRODUCT NO.	DESCRIPTION
3501R	D-Stat® Rad-Band® Topical Hemostat

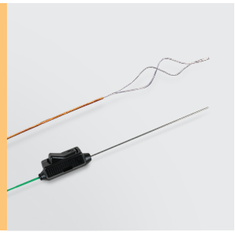
The D-Stat® Rad-Band® is contraindicated in persons with known sensitivity to bovine-derived materials.
Packaged in quantities of 10 units per box. Individual units are not sold separately.
The D-Stat® Rad-Band® is applied topically and is indicated for the control of surface bleeding from vascular access sites and percutaneous catheters or tubes.

Vasc Band™ Hemostat

PRODUCT NO.	DESCRIPTION
3521	Short—21 cm
3524	Regular—24 cm
3527	Long—27 cm
3529	Extra Long—29 cm
3537	XXL—37 cm

Packaged in quantities of 10 units per box. Individual units are not sold separately.
The Vasc Band™ Hemostat is a compression device to assist hemostasis of arterial, venous and hemodialysis percutaneous access sites.

Retrieval Devices



Expro Elite™ Snare

PRODUCT NO.	LOOP DIAMETER	LENGTH	O.D.	LOOP
8400	5 mm	150 cm	0.035"	Helical
8401	10 mm	150 cm	0.035"	Helical
8402	15 mm	150 cm	0.035"	Helical
8403	25 mm	150 cm	0.035"	Helical
8404	35 mm	150 cm	0.035"	Helical

Packaged in quantities of 1 unit per box.
The Expro Elite™ and Sympro Elite™ Snares are intended for use in the cardiovascular system and hollow viscus to retrieve and/or manipulate objects using minimally invasive surgical procedures. Manipulation procedures include retrieval and/or repositioning of intravascular foreign objects such as coils, balloons, catheters and/or guidewires within the cardiovascular system. This device is not intended for use in the coronary arteries or neurovasculature.

Micro Elite™ Snare

PRODUCT NO.	LOOP DIAMETER	LENGTH	O.D.	LOOP
8300	2 mm	180 cm	0.014"	Helical
8301	4 mm	180 cm	0.014"	Helical
8302	7 mm	180 cm	0.014"	Helical

Packaged in quantities of 1 unit per box.
The Micro Elite™ Snare is intended for use in the retrieval and manipulation of atraumatic foreign bodies located in the coronary and peripheral cardiovascular system and the extra-cranial neurovascular anatomy.

Sympro Elite™ Snare

PRODUCT NO.	LOOP DIAMETER	LENGTH	O.D.	LOOP
8420	5 mm	150 cm	0.035"	Single
8421	10 mm	150 cm	0.035"	Single
8422	15 mm	150 cm	0.035"	Single
8423	25 mm	150 cm	0.035"	Single
8424	35 mm	150 cm	0.035"	Single

Packaged in quantities of 1 unit per box.
The Expro Elite™ and Sympro Elite™ Snares are intended for use in the cardiovascular system and hollow viscus to retrieve and/or manipulate objects using minimally invasive surgical procedures. Manipulation procedures include retrieval and/or repositioning of intravascular foreign objects such as coils, balloons, catheters and/or guidewires within the cardiovascular system. This device is not intended for use in the coronary arteries or neurovasculature.

Thrombectomy/Aspiration

Arrow-Trerotola™ PTD® Percutaneous Thrombolytic Device

PRODUCT NO.	CATHETER LENGTH	FRAGMENTATION BASKET	SHEATH INCLUDED	ROTATOR DRIVE UNIT
5 French Arrow-Trerotola™ PTD® Percutaneous Thrombolytic Device Products				
PT-03000-R	N/A	N/A	N/A	3000 rpm
PT-65509*	65 cm	9 mm	N/A	N/A
PT-45509**	65 cm	9 mm	2/6 Fr.	N/A
PT-65509-HFC	65 cm	9 mm	2/6 Fr. (HF)	3000 rpm
7 French Arrow-Trerotola™ Over-the-Wire PTD® Percutaneous Thrombolytic Device Products (0.025")				
PT-03009-RW	N/A	N/A	N/A	3000 rpm
PT-65709-W ***	65 cm	9 mm	N/A	N/A
PT-65709-WC	65 cm	9 mm	2/7 Fr.	3000 rpm
PT-65709-HFWC	65 cm	9 mm	2/7 Fr. (HF)	3000 rpm
PT-12709-WC	120 cm	9 mm	2/7 Fr.	3000 rpm

Each product includes: One Radiopaque Polyurethane Sheath with Integral Side Port/Hemostasis Valve; One Vessel Dilator with SnapLock™ feature
*When ordering this component, the PT-03000-R and CL-08605-HF must also be ordered.
**When ordering this component, the PT-03000-R must also be ordered.
***When ordering this component, the PT-03009-RW and CL-08705-HF must also be ordered.
Packaged in quantities of 1 unit per box.
The Arrow-Trerotola™ PTD® Device catheter, in conjunction with the Arrow® Rotator Drive Unit permits mechanical declotting of native arterio-venous (AV) fistulae and synthetic dialysis grafts.

PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	VESSEL DILATOR LENGTH	MAX GUIDEWIRE COMPATIBILITY	RADIOPAQUE TIP MARKER	LARGE-BORE SIDEARM	COLOR CODED HUB
Arrow-Trerotola™ PTD® Percutaneous Thrombolytic Device Accessory Components							
CL-08505	5 Fr.	2"	5"	0.038"			Gray
CL-08605	6 Fr.	2"	5"	0.038"			Green
CL-08605-HF	6 Fr.	2"	5"	0.038"	✓	✓	Green
CL-08705-HF	7 Fr.	2"	5"	0.038"	✓	✓	Orange

CL-08505 and CL-08605 packaged in quantities of 10 units per box. CL-08505-HF and CL-08705-HF packaged in quantities of 10 units per box. Individual units are not sold separately.

Pronto® V4 Extraction Catheter

PRODUCT NO.	DESCRIPTION	GUIDE CATHETER COMPATIBILITY	INTRODUCER SHEATH COMPATIBILITY	GUIDEWIRE COMPATIBILITY	MINIMUM VESSEL SIZE	WORKING LENGTH
4005	Pronto V4 Extraction Catheter 5.5 Fr.	6 Fr. (≥0.066")	5 Fr.	0.014" (0.36 mm)	1.75 mm (0.068")	138 cm
4006	Pronto V4 Extraction Catheter 6 Fr.	6 Fr. (≥0.070")	5 Fr.	0.014" (0.36 mm)	2.00 mm (0.078")	138 cm
4007	Pronto V4 Extraction Catheter 7 Fr.	7 Fr. (≥0.078")	6 Fr.	0.014" (0.36 mm)	2.25 mm (0.088")	138 cm
4008	Pronto V4 Extraction Catheter 8 Fr.	8 Fr. (≥0.088")	7 Fr.	0.014" (0.36 mm)	2.50 mm (0.098")	138 cm

Packaged in quantities of 1 unit per box.
The Pronto® V4 Catheter is indicated for the removal of fresh, soft emboli and thrombi from vessels in the coronary and peripheral system. Pronto®

Pronto® V3 Extraction Catheter

PRODUCT NO.	DESCRIPTION	GUIDE CATHETER COMPATIBILITY	GUIDEWIRE COMPATIBILITY	WORKING LENGTH	RAPID EXCHANGE SECTION
5003	Pronto V3 Extraction Catheter	≥6 Fr. (0.070" min. I.D.)	≤0.014"	140 cm	20 cm

Packaged in quantities of 1 unit per box.
The Pronto® V3 Catheter is indicated for the removal of fresh, soft emboli and thrombi from vessels in the coronary and peripheral system.

Pronto® LP Extraction Catheter

PRODUCT NO.	DESCRIPTION	GUIDE CATHETER COMPATIBILITY	GUIDEWIRE COMPATIBILITY	WORKING LENGTH	RAPID EXCHANGE SECTION
5010	Pronto LP 6 Fr. Extraction Catheter	≥6 Fr. (0.066" min. I.D.)	≤0.014"	140 cm	20 cm
5015	Pronto LP 5 Fr. Extraction Catheter	≥5 Fr. (0.056" min. I.D.)	≤0.014"	138 cm	25 cm

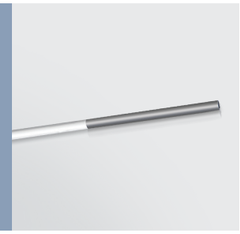
Packaged in quantities of 1 unit per box.
The Pronto® LP Catheter is indicated for the removal of fresh, soft emboli and thrombi from vessels in the coronary and peripheral system.

Pronto® 0.035" Extraction Catheter

PRODUCT NO.	DESCRIPTION	INTRODUCER SHEATH COMPATIBILITY	GUIDEWIRE COMPATIBILITY	OVERALL LENGTH	WORKING LENGTH	MARKER BAND	SYRINGE
5040	Pronto .035" Extraction Catheter	≥10 Fr. (0.132" / 3.35 mm min. I.D.)	≤0.035"	127 cm	115 cm	Located ~4 mm from the distal tip	One locking 60 mL polycarbonate

Packaged in quantities of 1 unit per box.
The Pronto® .035" Catheter is indicated for the removal/aspiration of embolic material (thrombus/debris) from vessels of the arterial system, the removal/aspiration of embolic material (thrombus/debris) from vessels of the deep venous system, and to infuse/deliver diagnostic or therapeutic agents.

Venous Interventions



Klein Pump® CV Tubing

PRODUCT NO.	DESCRIPTION
CVT-10VS	Klein CV Infiltration Set (Single Spike)

Packaged in quantities of 10 units per box. Individual units are not sold separately.
The Klein Pump® is an infiltration pump used to cause a flow of fluid from an IV bag into a patient in a manner controlled manually by a health care professional.
The Klein Pump® is not intended to be used as an IV infusion pump.

7 Fr. Introducer Kits

PRODUCT NO.	INTRODUCER SIZE	SHEATH LENGTH	NEEDLE GAUGE (SMOOTH TIP)	NEEDLE LENGTH	SHEATH COATING	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	GUIDEWIRE MANDREL	GUIDEWIRE COIL TIP
Coated Sheaths									
8977	7 Fr.	12 cm	21 Ga.	7 cm	Siliconized	0.018"	40 cm	Nitinol	Stainless Steel
8979	7 Fr.	7 cm	21 Ga.	7 cm	Siliconized	0.018"	40 cm	Nitinol	Stainless Steel
Non-coated Sheaths									
8981	7 Fr.	7 cm	20 Ga.	7 cm	Non-coated	N/A	N/A	N/A	N/A
8982	7 Fr.	11 cm	20 Ga.	7 cm	Non-coated	N/A	N/A	N/A	N/A
8983*	7 Fr.	7 cm	20 Ga.	7 cm	Non-coated	0.018"	40 cm	Nitinol	Stainless Steel
8984*	7 Fr.	11 cm	20 Ga.	7 cm	Non-coated	0.018"	40 cm	Nitinol	Stainless Steel

*Guidewire individually pouched, and not sold separately. Packaged in quantities of 5 units per box. Individual units are not sold separately.

Disposable Hemostat Pack | Phlebectomy Procedure Pack

PRODUCT NO.	DESCRIPTION		
Disposable Hemostat Pack* inlcudes:			
7794	1 Hemostat/forceps mosquito straight 1 Hemostat/forceps mosquito curved 10 4" × 4" gauze pads 1 250 cc solution bowl 1 10" × 5" × 2" tray 1 25" × 25" CSR wrap		
Phlebectomy Procedure Pack includes:			
7793	**Syringes, Needles and Scalpels:** 1 30 ml luer lock syringe 1 10 ml luer lock syringe 1 25 Ga. × 1-⅝" needle 1 19 Ga. × 1-½" needle 1 Disposable #11 blade scalpel with safety guard	**Accessory Items:** 1 Lidocaine HCL USP 1% – 5 mL 1 Iodine swabstick (3-pack) 1 Skin marking pen with 6" flexible ruler	**Gowns, Drapes, Towels and Dressings** 1 Prep table cover 1 XL disposable gown 1 ½ drape – 40" × 58" 10 4" × 4" gauze pads 2 OR towels 3 Steri strips ½" × 4" 2 Bias Wraps 4" × 6' 1 Split drape with tape – 77" × 120"

*Individual items may vary slightly in size due to availability. Ask about custom pack configuration availability.
Priced in pack quantities of 1–5, 6–10 and 12+ packs. No minimum order quantity.

RF Ablation Procedure Packs

PRODUCT NO.	DESCRIPTION
Radiofrequency Ablation Procedure Pack	
7795	Radiofrequency Ablation Procedure Pack
7796	Radiofrequency Ablation Procedure Pack with 7 Fr. 7 cm Micro-HV Kit
7797	Radiofrequency Ablation Procedure Pack with 7 Fr. 12 cm Micro-HV Kit
7788	Radiofrequency Ablation Procedure Pack with 7 Fr. 7 cm (non-coated) Introducer Kit
7789	Radiofrequency Ablation Procedure Pack with 7 Fr. 11 cm (non-coated) Introducer Kit

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PRODUCT NO.	DESCRIPTION		
Radiofrequency Ablation Procedure Pack includes:			
	Syringes, Needles and Scalpels:	**Accessory Items:**	**Gowns, Drapes, Towels and Dressings:**
	2 30 mL luer lock syringe 1 20 mL luer lock syringe 1 10 mL luer lock syringe 1 27 gauge × 1-¼" needle 1 20 gauge × 3-½" spinal needle 1 18 gauge × 1-½" needle 1 Disposable #11 blade scalpel with safety guard	3 Ultrasound gel—20 mL 2 Prep stick sponges 1 Tray—9" × 5" × 3" 1 500 cc utility bowl 1 250 cc utility bowl 1 Skin marking pen 2 Latex-free rubber bands 1 Zip lock bag	1 Prep table cover 2 XL disposable gowns 2 Utility drapes with tape—15" × 26" 1 ½ drape—60" × 44" 1 U-Drape—80" × 124"—4" × 44" 30 4"x4" gauze pads 3 OR towels, blue 2 ABS towels, white 1 Towel clamp 1 Ultrasound probe cover—6" × 96" 1 Steri strip ½" × 4"
Basic Radiofrequency Ablation Procedure Pack			
7798	Model 7798 Basic Radiofrequency Ablation Procedure Pack		
7786	Model 7786 Basic Radiofrequency Ablation Procedure Pack with 7 Fr. 7 cm (non-coated) Introducer Kit		
7787	Model 7787 Basic Radiofrequency Ablation Procedure Pack with 7 Fr. 11 cm (non-coated) Introducer Kit		

Packaged in quantities of 1 unit per box.

VacLok® Syringe

PRODUCT NO.	Description
7095	VacLok® Syringe, 30 mL polycarbonate

Packaged in quantities of 20 units per box. Individual units are not sold separately.

Vari-Lase® Platinum Bright Tip Laser Fiber & Procedure Kits

PRODUCT NO.	SHEATH SIZE	SHEATH LENGTH	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	GUIDEWIRE MANDREL	GUIDEWIRE COIL TIP	NEEDLE SIZE	NEEDLE TYPE
Standard Procedure Kits with 4 Fr. 600 µm Marked Platinum Bright Tip Fiber with Pre-positioned Fiber Lock								
7153	4 Fr.	12 cm, marked	0.018"	40 cm	Nitinol	Stainless Steel	21 Ga.	Smooth
7154	4 Fr.	24 cm, marked	0.018"	60 cm	Nitinol	Stainless Steel	21 Ga.	Smooth
7155	4 Fr.	45 cm, marked	0.035"	100 cm	Stainless Steel	Stainless Steel J-tip/Straight Tip	19 Ga.	Smooth
7156	4 Fr.	45 cm, marked	0.018"	100 cm	Nitinol	Stainless Steel	21 Ga.	Smooth
7157	4 Fr.	55 cm, marked	0.035"	150 cm	Stainless Steel	Stainless Steel J-tip/Straight Tip	19 Ga.	Smooth
7158	4 Fr.	55 cm, marked	0.018"	120 cm	Nitinol	Stainless Steel	21 Ga.	Smooth
7159	4 Fr.	70 cm, marked	0.035"	150 cm	Stainless Steel	Stainless Steel J-tip/Straight Tip	19 Ga.	Smooth
7160	4 Fr.	70 cm, marked	0.018"	150 cm	Nitinol	Stainless Steel	21 Ga.	Smooth

Packaged in quantities of 1 unit per box.
The Vari-Lase® Platinum Bright Tip™ Laser Fiber and Vari-Lase® Flex Catheter are indicated for the treatment of varicose veins and varicosities associated with superficial reflux of the great saphenous vein and for the treatment of incompetence and reflux of superficial veins in the lower extremity.

Vari-Lase® Flex Platinum Bright Tip Laser Fiber & Procedure Kits

PRODUCT NO.	CATHETER LENGTH	GUIDEWIRE DIAMETER	GUIDEWIRE LENGTH	NEEDLE SIZE	NEEDLE TYPE	INCLUDES MICRO-INTRODUCER KIT
Flex Procedure Kits with Flex Catheter and 600 µm Marked Platinum Bright Tip Fiber						
7162	70 cm, marked	0.035"	150 cm	19 Ga.	Smooth	No
7164	70 cm, marked	0.035"	150 cm	21 Ga.	Echogenic	Yes
7165	100 cm, marked	0.035"	180 cm	19 Ga.	Smooth	No
7167	100 cm, marked	0.035"	180 cm	21 Ga.	Echogenic	Yes

The laser fiber included in the Flex Kits can be used in conjunction with any solid state diode laser console accepting a standard SMA-905 connector and operating at a wavelength of 810 nm or 980 nm and a maximum power of 15 W. Packaged in quantities of 1 unit per box.
The Vari-Lase® Platinum Bright Tip™ Laser Fiber and Vari-Lase® Flex Catheter are indicated for the treatment of varicose veins and varicosities associated with superficial reflux of the great saphenous vein and for the treatment of incompetence and reflux of superficial veins in the lower extremity.

VSI 0.025" Guidewire

PRODUCT NO.	DESCRIPTION	LENGTH	TIP
7385	VSI 0.025" Guidewire	150 cm	Double-ended, Straight and 1.5mm J-tip

Packaged in quantities of 5 units per box. Individual units are not sold separately.
The VSI Guidewire is indicated for percutaneous entry of peripheral vessels using the Seldinger Technique. This device is not indicated for use in the coronary or cerebral vasculature.

VSI Custom Access Kits™

PRODUCT NO.	SHEATH SIZE*	SHEATH LENGTH	SHEATH GUIDEWIRE COMPATIBILITY	INCLUDED GUIDEWIRE**	GUIDEWIRE LENGTH	NEEDLE	NEEDLE TIP
7710	4 Fr.	12 cm	≤0.018"	0.018"	40 cm	21 Ga. 7 cm	Smooth
7711	4 Fr.	24 cm	≤0.018"	0.018"	60 cm	21 Ga. 7 cm	Smooth
7713	4 Fr.	45 cm	≤0.018"	0.018"	100 cm	21 Ga. 7 cm	Smooth
7715	4 Fr.	55 cm	≤0.018"	0.018"	120 cm	21 Ga. 7 cm	Smooth
7717	4 Fr.	70 cm	≤0.018"	0.018"	150 cm	21 Ga. 7 cm	Smooth
7712	4 Fr.	45 cm	≤0.035"	0.035"	100 cm	19 Ga. 7 cm	Smooth
7714	4 Fr.	55 cm	≤0.035"	0.035"	150 cm	19 Ga., 7 cm	Smooth
7716	4 Fr.	70 cm	≤0.035"	0.035"	150 cm	19 Ga. 7 cm	Smooth

*All sheaths are marked at 1 cm intervals with numerical indicators at 10 cm intervals.
**All 0.018" guidewires have nitinol mandrels with stainless steel coils; all 0.035" guidewires are double-ended with a J-tip/Straight tip.
Custom kits also available. Each component is individually pouched and sterilized.

Endovenous Ablation Procedure Packs

PRODUCT NO.	DESCRIPTION		
Basic Procedure Pack includes:			
7790	**Syringes, Needles and Scalpels:**	**Accessory Items:**	**Gowns, Drapes, Towels and Dressings:**
	1 30 mL luer lock syringe 1 10 mL luer lock syringe 1 5 mL luer lock syringe 1 25 gauge × 1-½" needle 1 19 gauge × 1-½" needle 1 Disposable #11 blade scalpel with safety guard	1 Lidocaine HCL USP 1%—5 mL 3 Ultrasound gel—20 g each 1 Iodine prep solution—2 oz 1 Prep stick sponge 2 Rubberband #32 2 250 cc solution bowls 1 Skin marking pen with 6" flexible ruler 1 Tray - 11" × 15"	1 Prep table cover 2 XL disposable gowns 1 ½ drape—40" × 58" 1 Split drape with tape—77" × 120" 10 4" × 4" gauze pads 4 OR towels 1 Ultrasound probe cover
Comprehensive Procedure Pack includes:			
7791	**Syringes, Needles and Scalpels:**	**Accessory Items:**	**Gowns, Drapes, Towels and Dressings:**
	2 30 mL luer lock syringes 2 10 mL luer lock syringes 1 5 mL luer lock syringe 1 25 gauge × 1-½" needle 1 20 gauge × 3-½" needle 1 19 gauge × 1-½" needle 1 Disposable #11 blade scalpel with safety guard 1 Sharps holder (Short Stop)	1 Lidocaine HCL USP 1% – 5 mL 4 Ultrasound gel—20 g each 1 Iodine prep solution—2 oz 1 Prep stick sponge 1 500 cc utility bowl 1 250 cc solution bowl 1 Skin marking pen with 6" flexible ruler 2 Latex-free rubber bands 1 Tray—11" × 15"	1 Prep table cover 2 XL disposable gowns 1 ½ drape—40" × 58" 1 Split drape with tape—77" × 120" 4 Utility drapes—15" × 26" 20 4" × 4" gauze pads 4 OR towels 1 Ultrasound probe cover 1 Self-adherent wrap 4" × 5 yd 1 Steri strip ½" × 4"
Comprehensive Procedure Pack with ChloraPrep® includes:			
7792	**Syringes, Needles and Scalpels:**	**Accessory Items:**	**Gowns, Drapes, Towels and Dressings:**
	2 30 mL luer lock syringes 2 10 mL luer lock syringes 1 5 mL luer lock syringe 1 25 gauge × 1-½" needle 1 20 gauge × 3-½" needle 1 19 gauge × 1-½" needle 1 Disposable #11 blade scalpel with safety guard 1 Sharps holder (Short Stop)	1 Lidocaine HCL USP 1%—5 mL 4 Ultrasound gel—20 g each 1 ChloraPrep® applicator 10.5 mL 1 250 cc solution bowl 1 Skin marking pen with 6" flexible ruler 2 Latex-free rubber bands 1 Tray—11" × 15"	1 Prep table cover 2 XL disposable gowns 1 ½ drape—40" × 58" 1 Split drape with tape—77" × 120" 4 Utility drapes—15" × 26" 20 4" × 4" gauze pads 4 OR towels 1 Ultrasound probe cover 1 Steri strip ½" × 4" 1 Self-adherent wrap 4" × 5 yd

Individual items may vary slightly in size due to availability. Ask about custom pack configuration availability.

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