

MARINER™

Hydrophilic-coated
Angiographic Catheter



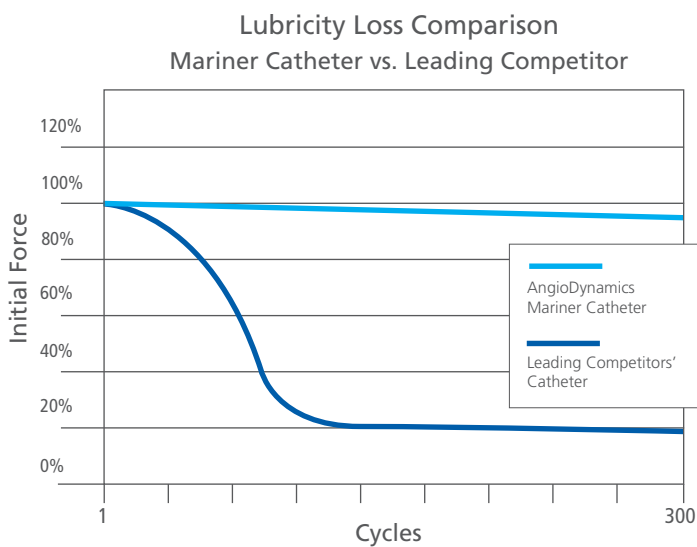
ANGIODYNAMICS®

Advanced Hydrophilic Performance

Smoother Navigation = Ease of Placement and Less Procedure Time

- Innovative Duration™ Coating Technology reduces catheter surface friction by as much as 90%, promoting smoother navigation through tortuous vasculature
- Mariner catheters are procedure-efficient, meaning no initial pre-wetting is required

Distal end of catheter (approx. 20 cm length) is hydrophilic coated, allowing for smooth navigation as well as optimum handling and control

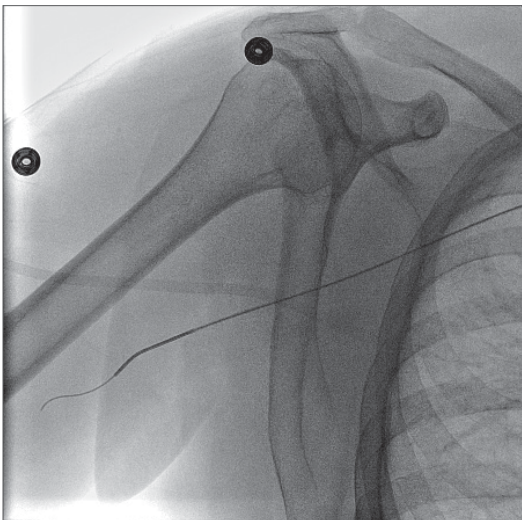


Super-Radiopaque™ tips provide improved visualization and more accurate placement

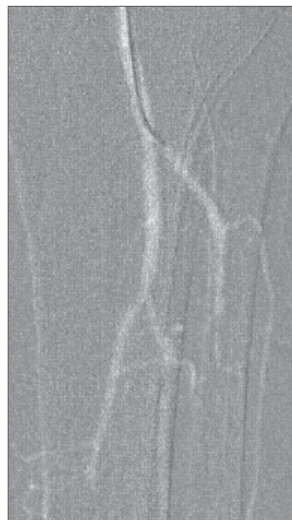
No Sacrifice of Pushability or Torquability = More Control

- Design enables the operator to utilize hydrophilic performance and preserve the desired pushability and torquability attributes
- Tapered tip enhances trackability over the wire

Angiography with the 150 cm Berenstein Mariner catheter



Advanced to the right axillary artery



Located at the left anterior tibial artery.



Guidewire access to the left anterior tibial artery.




Longer Standard Lengths = Extended Reach and Versatility

- Available in standard lengths up to 150 cm
- Allows selective catheterization of branch vessels in the distal regions.
More targeted selections requires less contrast use.
- More precise super-selection of distal areas (such as tibial region)
- Ideal lengths for use in cases involving radial access
- Numerous standard shapes are available in longer length configurations

FLUSH CATHETERS

Soft Radiopaque Tip

10 per Box

 Omni™ Flush 0		 Pigtail		 Straight	
Description	Catalog No.	Description	Catalog No.	Description	Catalog No.
4F / 65 cm / .035"	□ 11732301	4F / 65 cm / .035"	□ 11707101	4F / 65 cm / .035"	□ 11707201
*4F / 65 cm / .035"	□ 11732304	**4F / 65 cm / .035"	□ 11707105	4F / 65 cm / .038"	□ 11714003
4F / 65 cm / .038"	□ 11714001	4F / 90 cm / .035"	□ 11707102	4F / 90 cm / .035"	□ 11707202
4F / 90 cm / .035"	□ 11732302	4F / 90 cm / .038"	□ 11714005	4F / 90 cm / .038"	□ 11714006
4F / 90 cm / .038"	□ 11714004	4F / 100 cm / .035"	□ 11707103	5F / 65 cm / .035"	□ 11708601
4F / 100 cm / .038"	□ 11714007	4F / 110 cm / .035"	□ 11707104	5F / 65 cm / .038"	□ 11708603
4F / 110 cm / .035"	□ 11732303	4F / 110 cm / .038"	□ 11714008	5F / 90 cm / .035"	□ 11708602
5F / 65 cm / .035"	□ 11732201	5F / 65 cm / .035"	□ 11708501	5F / 90 cm / .038"	□ 11708604
5F / 65 cm / .038"	□ 11732203	5F / 65 cm / .038"	□ 11708504		
5F / 90 cm / .035"	□ 11732202	5F / 90 cm / .035"	□ 11708502		
5F / 90 cm / .038"	□ 11732204	5F / 90 cm / .038"	□ 11708505		
5F / 100 cm / .038"	□ 11732205	5F / 110 cm / .035"	□ 11708503		
		5F / 110 cm / .038"	□ 11708506		

SELECTIVE CATHETERS





Soft Radiopaque Tip

5 per Box

High-Torque Shaft





*Sos Omni 0 Mini

**w/ 2 side holes

 Sos Omni° 0		 Sos Omni 1		 Sos Omni 2		 Sos Omni 3	
4F / 80 cm / .038"	□ 11714023	4F / 80 cm / .038"	□ 11714024	4F / 65 cm / .038"	□ 11714054	4F / 80 cm / .038"	□ 11714026
5F / 80 cm / .035"	□ 11720407	5F / 80 cm / .035"	□ 11720402	4F / 80 cm / .038"	□ 11714025	5F / 80 cm / .035"	□ 11720404
5F / 80 cm / .038"	□ 11720408	**5F / 80 cm / .035"	□ 11732002	5F / 80 cm / .035"	□ 11720403	5F / 80 cm / .038"	□ 11720406
*4F / 65 cm / .035"	□ 11735801	5F / 80 cm / .038"	□ 11720401	*5F / 80 cm / .035"	□ 11732001		
				5F / 80 cm / .038"	□ 11720405		
Braided Ultra-Torque Shaft		4F / 80 cm / .035"	□ 11711404	4F / 80 cm / .035"	□ 11711402	4F / 80 cm / .035"	□ 11711403
***w/ 4 side holes		5F / 80 cm / .035"	□ 11712004	***4F / 80 cm / .035"	□ 11711405	5F / 80 cm / .035"	□ 11712003
		5F / 80 cm / .038"	□ 11712008	5F / 80 cm / .035"	□ 11712002	5F / 80 cm / .038"	□ 11712007
				5F / 80 cm / .038"	□ 11712006		





High-Torque Shaft

Braided Ultra-Torque Shaft

 Sos Omni° Jr.		 Sos Omni 0 Mini		 Rim		 Cherne	
4F / 65 cm / .035"	□ 11711501	4F / 65 cm / .035"	□ 11711502	5F / 65 cm / .038"	□ 11733401	5F / 69 cm / .035"	□ 11735201
				4F / 65 cm / .035"	□ 11733201		
				5F / 65 cm / .035"	□ 10733301		

High-Torque Shaft

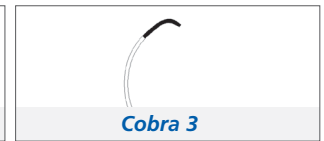
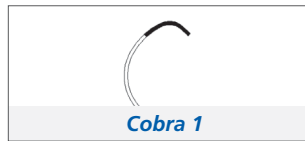
Braided Ultra-Torque Shaft

 Levin		 Bentson 1		 Bentson 2		 Bentson 3	
		4F / 100 cm / .035"	□ 11719001	4F / 65 cm / .038"	□ 11714028	4F / 100 cm / .035"	□ 11719003
		5F / 100 cm / .035"	□ 11720201	4F / 100 cm / .035"	□ 11719002	5F / 100 cm / .035"	□ 11720203
		5F / 100 cm / .038"	□ 11720204	4F / 100 cm / .038"	□ 11714043	5F / 100 cm / .038"	□ 11720206
				5F / 100 cm / .038"	□ 11720205		
		4F / 65 cm / .035"	□ 11732801	4F / 100 cm / .035"	□ 11708302	4F / 100 cm / .035"	□ 11708303
				5F / 100 cm / .035"	□ 11709701	5F / 100 cm / .035"	□ 11709703
				5F / 100 cm / .038"	□ 11709704	5F / 100 cm / .038"	□ 11709706

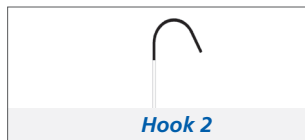
SELECTIVE CATHETERS

Soft Radiopaque Tip

5 per Box






	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.
High-Torque Shaft *10 cm tip **w/ 2 side holes	4F / 40 cm / .038"	□ 11723602	4F / 65 cm / .035"	□ 11718501	4F / 65 cm / .035"	□ 11718502	4F / 65 cm / .035"	□ 11718503
	4F / 65 cm / .038"	□ 11714009	4F / 65 cm / .038"	□ 11714010	4F / 65 cm / .038"	□ 11718505	4F / 100 cm / .038"	□ 11714019
	4F / 100 cm / .038"	□ 11714016	4F / 90 cm / .035"	□ 11718504	4F / 90 cm / .035"	□ 11714011	5F / 65 cm / .035"	□ 11719703
	4F / 110 cm / .035"	□ 11723601	4F / 100 cm / .038"	□ 11714017	4F / 100 cm / .038"	□ 11714018	**5F / 65 cm / .035"	□ 11731804
	4F / 130 cm / .035"	□ 11722110	5F / 65 cm / .035"	□ 11719701	**5F / 65 cm / .035"	□ 11719702	**5F / 65 cm / .038"	□ 11731803
	4F / 130 cm / .038"	□ 11722111	5F / 65 cm / .038"	□ 11719707	5F / 65 cm / .035"	□ 11731805	5F / 65 cm / .038"	□ 11719709
	*5F / 65 cm / .038"	□ 11722108	**5F / 65 cm / .038"	□ 11713801	5F / 65 cm / .038"	□ 11719708	5F / 90 cm / .038"	□ 11719712
	5F / 65 cm / .038"	□ 11722104	5F / 90 cm / .035"	□ 11719704	**5F / 65 cm / .038"	□ 11719802		
	5F / 65 cm / .046"	□ 11722106	5F / 90 cm / .038"	□ 11719710	5F / 90 cm / .035"	□ 11719705		
	5F / 100 cm / .035"	□ 11722101			5F / 90 cm / .038"	□ 11719711		
	5F / 100 cm / .038"	□ 11722102			6F / 90 cm / .035"	□ 11720905		
	5F / 100 cm / .046"	□ 11722107			6F / 65 cm / .038"	□ 11720908		
	5F / 110 cm / .038"	□ 11722103						
	5F / 130 cm / .035"	□ 11722109						
	Braided Ultra-Torque Shaft **w/ 2 side holes	4F / 40 cm / .035"	□ 11723503	4F / 65 cm / .035"	□ 11707702	4F / 65 cm / .035"	□ 11707702	5F / 65 cm / .038"
4F / 65 cm / .035"		□ 11723502	4F / 90 cm / .035"	□ 11707705	**4F / 65 cm / .035"	□ 11707708	5F / 90 cm / .038"	□ 11709112
4F / 100 cm / .035"		□ 11723501	5F / 65 cm / .035"	□ 11709102	4F / 90 cm / .035"	□ 11707705		
4F / 110 cm / .035"		□ 11723504	5F / 65 cm / .038"	□ 11709108	5F / 65 cm / .035"	□ 11709102		
4F / 150 cm / .035"		□ 11723709	5F / 90 cm / .038"	□ 11709105	5F / 65 cm / .038"	□ 11709108		
5F / 40 cm / .038"		□ 11723509			5F / 80 cm / .038"	□ 11709113		
5F / 65 cm / .035"		□ 11722704			5F / 90 cm / .035"	□ 11709105		
5F / 65 cm / .038"		□ 11722703			5F / 90 cm / .038"	□ 11710911		
5F / 100 cm / .035"		□ 11722701						
5F / 100 cm / .038"		□ 11722702						
5F / 110 cm / .038"		□ 11722705						
5F / 130 cm / .038"		□ 11722707						









High-Torque Shaft	4F / 65 cm / .035"	□ 11718701	4F / 65 cm / .035"	□ 11718702	4F / 65 cm / .035"	□ 11718601	4F / 65 cm / .035"	□ 11718602
	5F / 65 cm / .035"	□ 11719901			4F / 65 cm / .038"	□ 11718603	4F / 65 cm / .038"	□ 11718604
	5F / 65 cm / .038"	□ 11719903			5F / 65 cm / .035"	□ 10719801	5F / 65 cm / .035"	□ 11719802
					5F / 65 cm / .038"	□ 10719801		
Braided Ultra Shaft	4F / 65 cm / .035"	□ 11707901	4F / 65 cm / .035"	□ 11707902	4F / 65 cm / .035"	□ 11707801	4F / 65 cm / .035"	□ 11707802
	5F / 65 cm / .035"	□ 11709301	5F / 65 cm / .035"	□ 11709302	5F / 65 cm / .035"	□ 11709201	5F / 65 cm / .035"	□ 11709202
	5F / 65 cm / .038"	□ 11709303			5F / 65 cm / .038"	□ 11709203	5F / 65 cm / .038"	□ 11709204

SELECTIVE CATHETERS

Soft Radiopaque Tip
5 per Box

	 Newton 1		 Newton 2		 Newton 3			
	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.
High-Torque Shaft	4F / 100 cm / .035"	<input type="checkbox"/> 11719101	4F / 100 cm / .035"	<input type="checkbox"/> 11719102	4F / 100 cm / .035"	<input type="checkbox"/> 11719103	4F / 65 cm / .038"	<input type="checkbox"/> 11714032
	5F / 100 cm / .035"	<input type="checkbox"/> 11720301	5F / 100 cm / .035"	<input type="checkbox"/> 11720302	5F / 100 cm / .035"	<input type="checkbox"/> 11720303	4F / 100 cm / .038"	<input type="checkbox"/> 11714046
	5F / 100 cm / .038"	<input type="checkbox"/> 11720304	5F / 100 cm / .038"	<input type="checkbox"/> 11720305	5F / 100 cm / .038"	<input type="checkbox"/> 11720306	4F / 100 cm / .035"	<input type="checkbox"/> 11719104
							5F / 100 cm / .035"	<input type="checkbox"/> 11720307
Braided Ultra-Torque Shaft	4F / 100 cm / .035"	<input type="checkbox"/> 11708401	4F / 100 cm / .035"	<input type="checkbox"/> 11708402	4F / 100 cm / .035"	<input type="checkbox"/> 11708403		
	5F / 100 cm / .035"	<input type="checkbox"/> 11709801	5F / 100 cm / .035"	<input type="checkbox"/> 11709802	5F / 100 cm / .035"	<input type="checkbox"/> 11709803		
	5F / 100 cm / .038"	<input type="checkbox"/> 11709804	5F / 100 cm / .038"	<input type="checkbox"/> 11709805	5F / 100 cm / .038"	<input type="checkbox"/> 11709806		

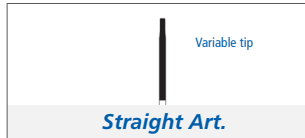
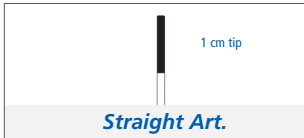
	 Kerber		 Weinberg		 Sidewinder ST 1			
High-Torque Shaft	5F / 100 cm / .035"	<input type="checkbox"/> 11734801	5F / 100 cm / .035"	<input type="checkbox"/> 11733601	4F / 65 cm / .038"	<input type="checkbox"/> 11714030	4F / 65 cm / .038"	<input type="checkbox"/> 11714031
					4F / 100 cm / .038"	<input type="checkbox"/> 11714041	4F / 100 cm / .038"	<input type="checkbox"/> 11714042
Braided Ultra-Torque Shaft	5F / 100 cm / .038"	<input type="checkbox"/> 11734701	5F / 100 cm / .035"	<input type="checkbox"/> 10733502	4F / 100 cm / .035"	<input type="checkbox"/> 11707605	4F / 100 cm / .035"	<input type="checkbox"/> 11707606
					4F / 130 cm / .035"	<input type="checkbox"/> 11709012	4F / 130 cm / .035"	<input type="checkbox"/> 11709011
					5F / 100 cm / .038"	<input type="checkbox"/> 11709009	5F / 100 cm / .035"	<input type="checkbox"/> 11709013
						5F / 100 cm / .038"	<input type="checkbox"/> 11709010	

	 Sidewinder 1		 Sidewinder 2		 Sidewinder 3			
High-Torque Shaft	4F / 100 cm / .035"	<input type="checkbox"/> 11718402	4F / 100 cm / .035"	<input type="checkbox"/> 11718403	5F / 100 cm / .035"	<input type="checkbox"/> 10719604	4F / 65 cm / .038"	<input type="checkbox"/> 11714029
	5F / 65 cm / .035"	<input type="checkbox"/> 11719601	5F / 100 cm / .035"	<input type="checkbox"/> 11719603	5F / 100 cm / .038"	<input type="checkbox"/> 10719608	4F / 100 cm / .035"	<input type="checkbox"/> 11718201
	5F / 65 cm / .038"	<input type="checkbox"/> 11719605	5F / 100 cm / .038"	<input type="checkbox"/> 11719607			5F / 100 cm / .035"	<input type="checkbox"/> 11719401
	5F / 100 cm / .035"	<input type="checkbox"/> 11719602					5F / 100 cm / .038"	<input type="checkbox"/> 11719402
	5F / 100 cm / .038"	<input type="checkbox"/> 11719606						
Braided Ultra-Torque Shaft	4F / 100 cm / .035"	<input type="checkbox"/> 11707602	4F / 100 cm / .035"	<input type="checkbox"/> 11707603	4F / 100 cm / .035"	<input type="checkbox"/> 11707604	5F / 100 cm / .035"	<input type="checkbox"/> 11708801
	5F / 65 cm / .035"	<input type="checkbox"/> 11709001	5F / 100 cm / .035"	<input type="checkbox"/> 11709003	5F / 100 cm / .038"	<input type="checkbox"/> 11709008	5F / 100 cm / .038"	<input type="checkbox"/> 11708802
	5F / 65 cm / .038"	<input type="checkbox"/> 11709005	5F / 100 cm / .038"	<input type="checkbox"/> 11709007				
	5F / 100 cm / .035"	<input type="checkbox"/> 11709002	5F / 130 cm / .038"	<input type="checkbox"/> 11709015				
	5F / 100 cm / .038"	<input type="checkbox"/> 11709006						
	5F / 130 cm / .035"	<input type="checkbox"/> 11709014						

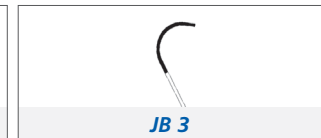
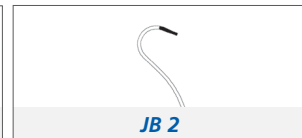
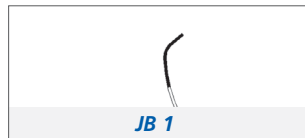
SELECTIVE CATHETERS

Soft Radiopaque Tip

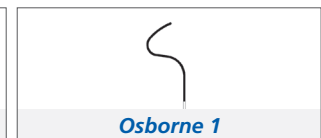
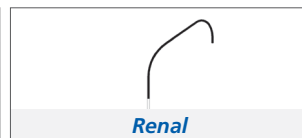
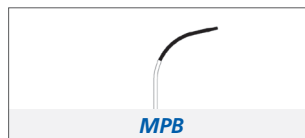
5 per Box



	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.
High-Torque Shaft *1.5 cm tip **2 cm tip	4F / 65 cm / .035"	□ 11731401	*4F / 65 cm / .035"	□ 10731401	4F / 40 cm / .038"	□ 11732704	4F / 65 cm / .038"	□ 11714033
	4F / 90 cm / .035"	□ 11731403	*4F / 65 cm / .038"	□ 10731403	4F / 65 cm / .038"	□ 11714014	4F / 100 cm / .035"	□ 11732501
	4F / 130 cm / .035"	□ 11731504	*4F / 100 cm / .038"	□ 10731502	4F / 100 cm / .035"	□ 11714014	4F / 100 cm / .038"	□ 11714047
	4F / 150 cm / .038"	□ 11731507	**5F / 90 cm / .038"	□ 10731509	4F / 100 cm / .038"	□ 11734302	5F / 100 cm / .035"	□ 11721801
	5F / 65 cm / .035"	□ 11731502			5F / 40 cm / .035"	□ 11714021		
	5F / 110 cm / .038"	□ 11731508			5F / 40 cm / .038"	□ 11732705		
	5F / 130 cm / .038"	□ 11731505			5F / 65 cm / .038"	□ 11732702		
Braided Ultra-Torque Shaft	4F / 130 cm / .035"	□ 11731503			5F / 100 cm / .038"	□ 11732703		
	5F / 130 cm / .038"	□ 11731506			5F / 40 cm / .035"	□ 11732706	5F / 100 cm / .038"	□ 11722403



High-Torque Shaft *1 cm tip **3 cm tip ***4 cm tip	4F / 100 cm / .038"	□ 11714048	**4F / 65 cm / .038"	□ 11714035	**4F / 65 cm / .038"	□ 11714036	**4F / 65 cm / .038"	□ 11714037
	5F / 100 cm / .035"	□ 11721802	**4F / 100 cm / .038"	□ 11714049	**4F / 100 cm / .038"	□ 11714050	**4F / 100 cm / .038"	□ 11714051
	5F / 100 cm / .038"	□ 11721804	**5F / 100 cm / .035"	□ 11734201	**5F / 100 cm / .035"	□ 11734204	**5F / 100 cm / .038"	□ 11734206
			**5F / 130 cm / .035"	□ 11732410	*5F / 110 cm / .035"	□ 11734203		
Braided Ultra-Torque Shaft **3 cm tip § 5 cm tip	4F / 100 cm / .035"	□ 11723302	**4F / 100 cm / .035"	□ 11734002				
	5F / 100 cm / .038"	□ 11722404	§ 4F / 100 cm / .035"	□ 11734003				
			**5F / 65 cm / .038"	□ 11734101				
			**5F / 100 cm / .035"	□ 11734103				
			**5F / 100 cm / .038"	□ 11734102				
		5F / 130 cm / .035"	□ 11734209					











High-Torque Shaft	4F / 65 cm / .038"	□ 11714038	4F / 65 cm / .038"	□ 11714039	4F / 65 cm / .035"	□ 11718801	4F / 100 cm / .035"	□ 11732902
	4F / 100 cm / .038"	□ 11714052			5F / 65 cm / .035"	□ 11720001		
Braided Ultra-Torque Shaft *w/ 6 side holes	4F / 65 cm / .035"	□ 11735401	5F / 65 cm / .038"	□ 11734901	5F / 65 cm / .038"	□ 11720002		
	4F / 100 cm / .035"	□ 11735402			4F / 65 cm / .035"	□ 11708001	4F / 100 cm / .035"	□ 11734501
	*5F / 65 cm / .035"	□ 11735601			5F / 65 cm / .035"	□ 11709401		
	5F / 65 cm / .038"	□ 11735502			5F / 65 cm / .038"	□ 11709402		
	5F / 80 cm / .035"	□ 11735503						
	*5F / 100cm / .035"	□ 11735602						
	5F / 100cm / .038"	□ 11735504						

SELECTIVE CATHETERS

Soft Radiopaque Tip

5 per Box

	 Osborne 2	 Kerns	 RC 1	 RC 2				
	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.	Description	Catalog No.
High-Torque Shaft	4F / 100 cm / .035" <input type="checkbox"/>	11732901	4F / 65 cm / .035" <input type="checkbox"/>	11733801				
	5F / 100 cm / .035" <input type="checkbox"/>	11734401						
Braided Ultra-Torque Shaft			4F / 65 cm / .035" <input type="checkbox"/>	11733901	4F / 65 cm / .035" <input type="checkbox"/>	11733001	5F / 65 cm / .038" <input type="checkbox"/>	11733102
					5F / 65 cm / .035" <input type="checkbox"/>	11733101		

	 Head Hunter 1	 Head Hunter 3	 Hawkins Hairpin	 Vertebral				
High-Torque Shaft	4F / 65 cm / .038" <input type="checkbox"/>	11714027	4F / 100 cm / .035" <input type="checkbox"/>	11718302	4F / 90 cm / .038" <input type="checkbox"/>	11725101	*4F / 100 cm / .035" <input type="checkbox"/>	11718101
*w/ 2 side holes	4F / 100 cm / .035" <input type="checkbox"/>	11718301	5F / 100 cm / .035" <input type="checkbox"/>	11719502	5F / 90 cm / .038" <input type="checkbox"/>	11725102	*4F / 100 cm / .038" <input type="checkbox"/>	11714045
	4F / 100 cm / .038" <input type="checkbox"/>	11714040	5F / 100 cm / .038" <input type="checkbox"/>	11719504			*4F / 100 cm / .035" <input type="checkbox"/>	11719301
	5F / 100 cm / .035" <input type="checkbox"/>	11719501					*5F / 100 cm / .038" <input type="checkbox"/>	11719302
	5F / 100 cm / .038" <input type="checkbox"/>	11719503					5F / 130 cm / .035" <input type="checkbox"/>	11719303
	5F / 130 cm / .035" <input type="checkbox"/>	11719505						
	5F / 130 cm / .038" <input type="checkbox"/>	11719507						
Braided Ultra-Torque Shaft	4F / 100 cm / .035" <input type="checkbox"/>	11707501					*4F / 100 cm / .035" <input type="checkbox"/>	11707301
*w/ 2 side holes	4F / 130 cm / .035" <input type="checkbox"/>	11708906					4F / 130 cm / .035" <input type="checkbox"/>	11708704
	5F / 65 cm / .038" <input type="checkbox"/>	11708905					*5F / 100 cm / .035" <input type="checkbox"/>	11708701
	5F / 100 cm / .035" <input type="checkbox"/>	11708901					*5F / 100 cm / .038" <input type="checkbox"/>	11708702
	5F / 100 cm / .038" <input type="checkbox"/>	11708903					*5F / 130 cm / .035" <input type="checkbox"/>	11708703
	5F / 130 cm / .035" <input type="checkbox"/>	11708907						

PHYSICIAN'S SIGNATURE

Specialized Catheter Options Available

IMPORTANT RISK INFORMATION

INDICATION FOR USE: AngioDynamics Angiographic Catheters are designed for use where angiographic diagnosis is indicated.

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

CONTRAINDICATIONS: Angiographic Catheters should not be used for any purpose other than those indicated in the instructions.

WARNINGS AND PRECAUTIONS: This device is sterilized by ethylene

oxide and is intended for single patient use only. Do not reuse or resterilize. Contents sterile in unopened, undamaged package. Do not use if opened or any sign of product damage is visible.

AngioDynamics Angiographic Catheters should be used only by physicians with a thorough understanding of angiography and percutaneous interventional procedures. Do not insert catheters directly through synthetic vascular grafts. Insert through a sheath introducer. AngioDynamics Angiographic Catheters are designed for use with specific guidewire diameters. The recommended maximum guidewire diameter is specified on the catheter label.

Optimal guidewire size and judicious use are recommended. Please see package insert for complete list of warnings and precautions.

POTENTIAL COMPLICATIONS: The following adverse reactions have been reported and are associated with the use of angiographic catheters: Thrombus formation, emboli, arterial wall damage, plaque dislodgment, hematoma, cardiac arrhythmias, myocardial infarction, stroke, and death.

ANGIODYNAMICS®

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