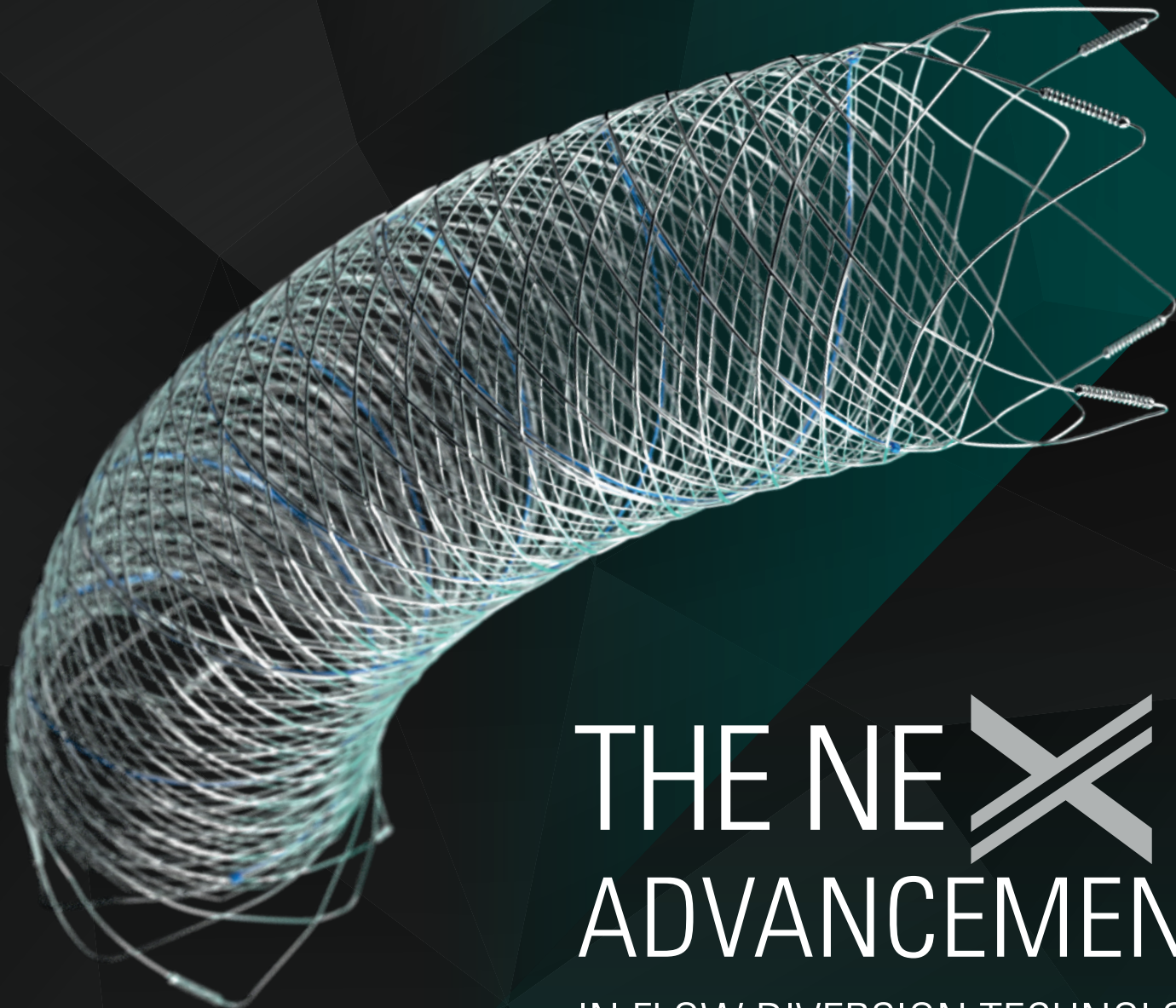


FRED™ X™

Flow Diverter Stent



THE NEXT ADVANCEMENT IN FLOW DIVERSION TECHNOLOGY

FRED X Indications for Use: The FRED X System is indicated for use in the internal carotid artery from the petrous segment to the terminus for the endovascular treatment of adult patients (22 years of age or older) with wide-necked (neck width \geq 4 mm or dome-to-neck ratio $<$ 2) saccular or fusiform intracranial aneurysms arising from a parent vessel with a diameter \geq 2.0 mm and \leq 5.0 mm.

HEADWAY Microcatheter Indications for Use: The HEADWAY Micro catheter is intended for general intravascular use, including the peripheral, coronary and neuro vasculature for the infusion of diagnostic agents, such as contrast media, and therapeutic agents, such as occlusion coils.

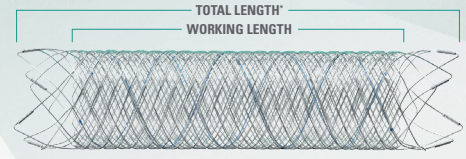
SOFIA EX Indications for Use: The SOFIA EX Catheter is indicated for general intravascular use, including the neuro and peripheral vasculature. The SOFIA EX Catheter can be used to facilitate introduction of diagnostic agents or therapeutic devices. The SOFIA EX Catheter is not intended for use in coronary arteries.

SOFIA Indications for Use: The SOFIA Catheter is indicated for general intravascular use, including the neuro and peripheral vasculature. The SOFIA Catheter can be used to facilitate introduction of diagnostic or therapeutic devices. The SOFIA Catheter is not intended for use in coronary arteries.

Rx Only: Federal (United States) law restricts this device to sale by or on the order of a physician.

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*2mm finished ends for FRED 21, and 3mm for FRED 27

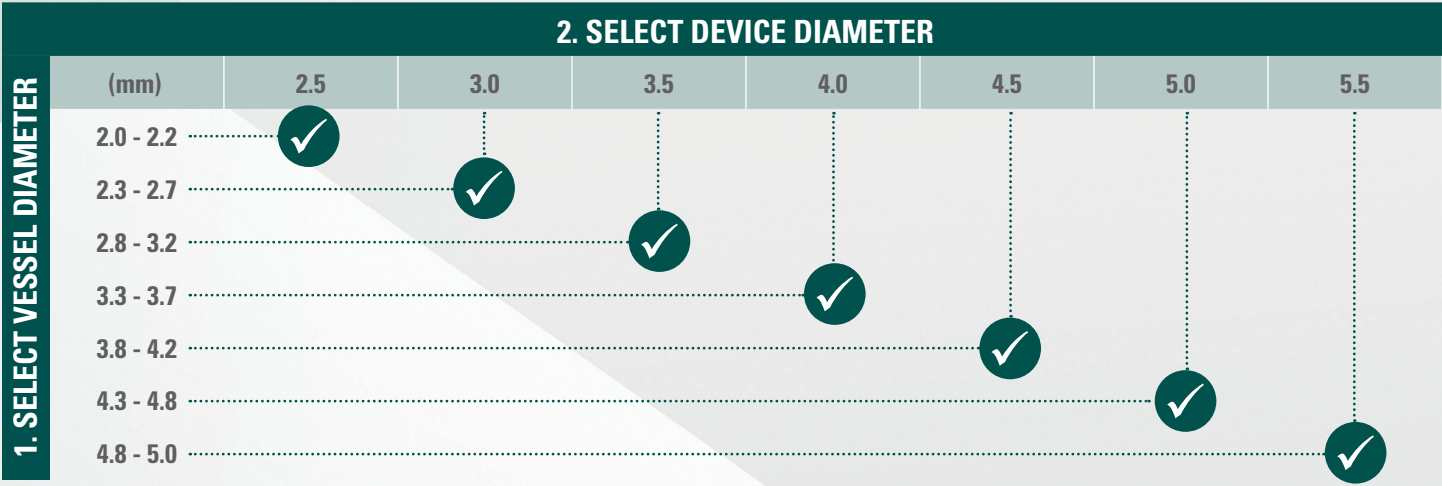
Product Portfolio

PRODUCT CODE	DEVICE SIZE (mm) Diameter x Total/ Working Length	
21 SYSTEM		
FREDX2513	2.5 x 13 / 8	2.5 mm
FREDX2518	2.5 x 18 / 13	
FREDX2525	2.5 x 25 / 20	
FREDX2530	2.5 x 30 / 26	
FREDX3013	3.0 x 13 / 9	3.0 mm
FREDX3019	3.0 x 19 / 14	
FREDX3027	3.0 x 27 / 21	
FREDX3032	3.0 x 32 / 27	

PRODUCT CODE	DEVICE SIZE (mm) Diameter x Total/ Working Length	
27 SYSTEM		
FREDX3513	3.5 x 13 / 7	3.5 mm
FREDX3517	3.5 x 17 / 11	
FREDX3522	3.5 x 22 / 16	
FREDX3531	3.5 x 31 / 24	
FREDX3540	3.5 x 40 / 36	
FREDX4013	4.0 x 13 / 7	4.0 mm
FREDX4018	4.0 x 18 / 12	
FREDX4023	4.0 x 23 / 17	
FREDX4032	4.0 x 32 / 26	
FREDX4044	4.0 x 44 / 38	

PRODUCT CODE	DEVICE SIZE (mm) Diameter x Total/ Working Length	
27 SYSTEM		
FREDX4515	4.5 x 15 / 8	4.5 mm
FREDX4520	4.5 x 20 / 13	
FREDX4525	4.5 x 25 / 18	
FREDX4534	4.5 x 34 / 28	
FREDX4545	4.5 x 45 / 39	
FREDX5015	5.0 x 15 / 9	5.0 mm
FREDX5021	5.0 x 21 / 14	
FREDX5026	5.0 x 26 / 19	
FREDX5036	5.0 x 36 / 29	
FREDX5522	5.5 x 22 / 14	5.5 mm
FREDX5532	5.5 x 32 / 26	

Diameter Selection Reference Tool



Access Solutions

	PRODUCT CODE	DISTAL ID (in)	PROXIMAL ID (in)	DISTAL OD (Fr/in)	PROXIMAL OD (Fr/in)	LENGTH (cm)
HEADWAY™ 21	MC212156S	0.021	0.021	2.1 / 0.026	2.5 / 0.033	156
HEADWAY™ 27	MC272156S	0.027	0.027	2.6 / 0.034	3.1 / 0.041	156
SOFIA™ EX Intracranial Support Catheter	ISC5105ST	0.058	0.058	5.2 / 0.068	5.4 / 0.071	105
	ISC5115ST	0.058	0.058	5.2 / 0.068	5.4 / 0.071	115
SOFIA™ Distal Access Catheter	DA5115ST	0.055	0.055	5.1 / 0.067	5.2 / 0.068	115
	DA5125ST	0.055	0.055	5.1 / 0.067	5.2 / 0.068	125
	DA6115ST	0.070	0.070	6.2 / 0.0815	6.3 / 0.0825	115



Scan for more information.



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