



Flow Re-Direction Endoluminal Device

FRED® Product Sizes

FRED® System

Flow Re-Direction Endoluminal Device

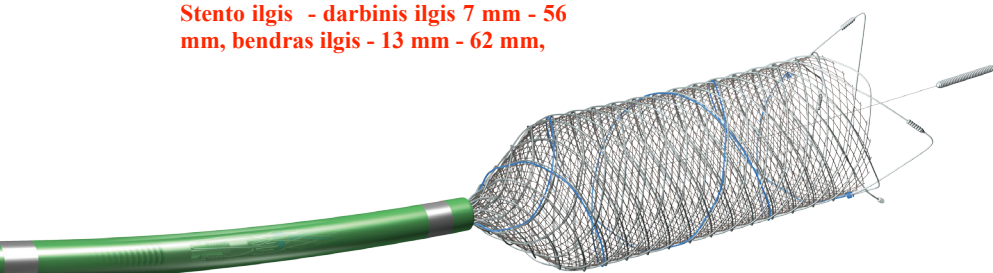
One unit per box

Fully Open Implant Diameter	Cross- Reference Old Product Code	New Product Code	*Working Length (mm) / Total Length (mm) at Target Vessel Diameters (mm)						Crimped Length Inside Microcatheter	% Foreshortening At Fully Open Implant Diameter
			3.0	3.5	4.0	4.5	5.0	5.5		
3.5	FRED3505	FRED3507	10 / 16	7 / 13					21	39
3.5	N/A	FRED3511	17 / 22	11 / 17					32	47
3.5	FRED3525	FRED3516	24 / 30	16 / 22					44	49
3.5	N/A	FRED3524	34 / 40	24 / 31					61	48
3.5	N/A	FRED3536	49 / 54	36 / 40					83	52
4.0	N/A	FRED4007		10 / 16	7 / 13				24	42
4.0	FRED4015	FRED4012		18 / 24	12 / 18				36	49
4.0	FRED4025	FRED4017		26 / 31	17 / 23				49	53
4.0	N/A	FRED4026		37 / 43	26 / 32				69	53
4.0	N/A	FRED4038		53 / 58	38 / 44				94	55
4.5	N/A	FRED4508			11 / 18	8 / 15			27	43
4.5	FRED4515	FRED4513			19 / 26	13 / 20			41	51
4.5	FRED4525	FRED4518			27 / 34	18 / 25			55	55
4.5	N/A	FRED4528			39 / 45	28 / 34			77	56
4.5	N/A	FRED4539			56 / 62	39 / 45			105	57
5.0	N/A	FRED5009				12 / 18	9 / 15		28	44
5.0	FRED5015	FRED5014				20 / 26	14 / 21		44	53
5.0	FRED5025	FRED5019				28 / 35	19 / 26		60	56
5.0	N/A	FRED5029				41 / 48	29 / 36		84	57
5.5	FRED5515	FRED5514					22 / 28	14 / 22	48	54
5.5	FRED5535	FRED5526					38 / 46	26 / 32	83	59

* Outer device total length (including flared ends) and inner device working length (marked by helical strands), constrained in vessel.

Stento diametras - 2,5mm - 5,5mm
Stento ilgis - darbinis ilgis 7 mm - 56
mm, bendras ilgis - 13 mm - 62 mm,

Only delivered through **Headway** 27
Microcatheter





Flow Re-Direction Endoluminal Device

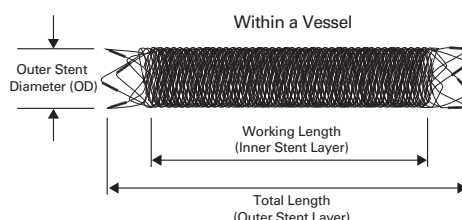
FRED® System Effective Metal Surface Area

FRED® System								
Flow Re-Direction Endoluminal Device								
One unit per box								
Fully Open Implant Diameter	Cross-Reference Old Product Code	New Product Code	*Effective Metal Surface Area (%) at Target Vessel Diameters (mm)					
			3.0	3.5	4.0	4.5	5.0	5.5
3.5	FRED3505	FRED3507	35	42				
3.5	N/A	FRED3511	34	43				
3.5	FRED3525	FRED3516	34	44				
3.5	N/A	FRED3524	30	38				
3.5	N/A	FRED3536	31	36				
4.0	N/A	FRED4007		32	39			
4.0	FRED4015	FRED4012		31	40			
4.0	FRED4025	FRED4017		32	42			
4.0	N/A	FRED4026		28	37			
4.0	N/A	FRED4038		28	34			
4.5	N/A	FRED4508			30	37		
4.5	FRED4515	FRED4513			30	40		
4.5	FRED4525	FRED4518			29	39		
4.5	N/A	FRED4528			26	36		
4.5	N/A	FRED4539			26	33		
5.0	N/A	FRED5009				28	33	
5.0	FRED5015	FRED5014				28	36	
5.0	FRED5025	FRED5019				28	36	
5.0	N/A	FRED5029				25	33	
5.5	FRED5515	FRED5514					25	34
5.5	FRED5535	FRED5526					25	36

* Effective Metal Surface Area (%) measured for the inner stent, which provides flow diversion.

FRED® System Implant Nomenclature

Stento diametras - 2,5mm - 5,5mm
Stento ilgis - darbinis ilgis 7 mm - 56 mm, bendras ilgis - 13 mm - 62 mm,



Caution: The FRED® System is an investigational device limited by U.S. law to investigational use.

INDICATIONS FOR USE:

The FRED® System is intended for endovascular embolization of intracranial neurovascular aneurysms. The FRED® System may also be used with embolic coils for the treatment of intracranial neurovascular lesions



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