FRED®

Flow Re-Direction Endoluminal Device

PRODUCT SIZES

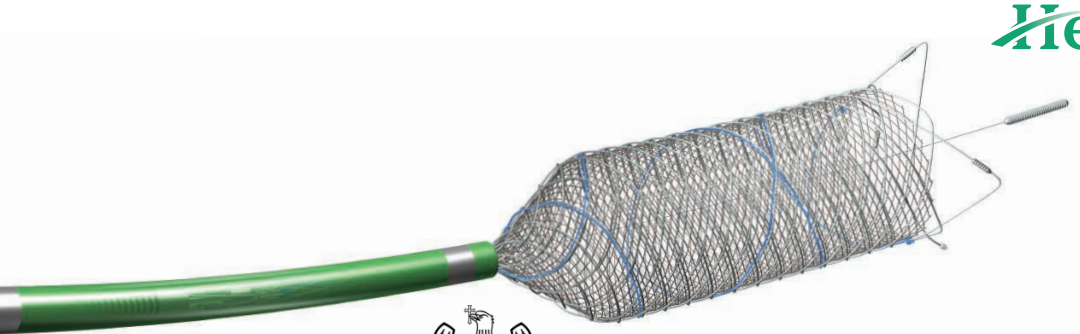
One unit per box.

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

DELIVERED THROUGH:

Headway® 27 Microcatheter

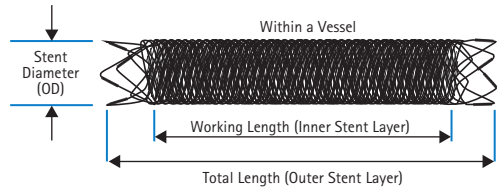


MicroVention® TERUMO

EMEA

FRED®

Flow Re-Direction Endoluminal Device



IMPLANT NOMENCLATURE

EFFECTIVE METAL SURFACE AREA

One unit per box.

Fully Open Implant Diameter	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	FRED3507	35	42				
3.5	FRED3511	34	43				
3.5	FRED3516	34	44				
3.5	FRED3524	30	38				
3.5	FRED3536	31	36				
4.0	FRED4007		32	39			
4.0	FRED4012		31	40			
4.0	FRED4017		32	42			
4.0	FRED4026		28	37			
4.0	FRED4038		28	34			
4.5	FRED4508			30	37		
4.5	FRED4513			30	40		
4.5	FRED4518			29	39		
4.5	FRED4528			26	36		
4.5	FRED4539			26	33		
5.0	FRED5009				28	33	
5.0	FRED5014				28	36	
5.0	FRED5019				28	36	
5.0	FRED5029				25	33	
5.5	FRED5514					25	34
5.5	FRED5526					25	36

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

The FRED® and FRED® Jr. systems are CE Marked. The FRED Jr. system is not approved in the United States. The FRED system is limited by United States law to investigational use only.

INDICATIONS FOR USE:
The system is intended for endovascular embolization of intracranial neurovascular aneurysms. The FRED and FRED Jr. system may also be used with embolic coils for the treatment of intracranial neurovascular lesions.

CE 0297

MicroVention® TERUMO

MicroVention, Inc.
Worldwide Headquarters PH +1.714.247.8000
1311 Valencia Avenue
Tustin, CA 92780, USA
MicroVention UK Limited PH +44 (0) 191 258 6777
MicroVention Europe, S.A.R.L. PH + 33 (1) 39 21 77 46
MicroVention Deutschland Gmbh PH +49 211 210 798-0
Web **microvention.com**