Penumbra System™ · RED 68 Reperfusion Catheter

Elevating Expectations

REDglide™ Technology

Enhanced distal hydrophilic coating for smooth trackability

1.73 mm (.068") Lumen

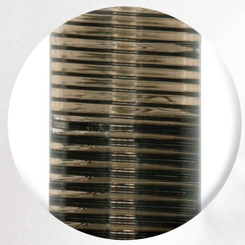
Delivers powerful aspiration

2.13 mm (.084") Outer Diameter

Atraumatic tip designed for improved navigation

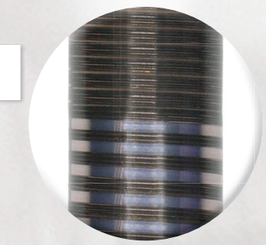
Progressive Distal Nitinol Coil Wind

Continuously softer distal profile for atraumatic navigation

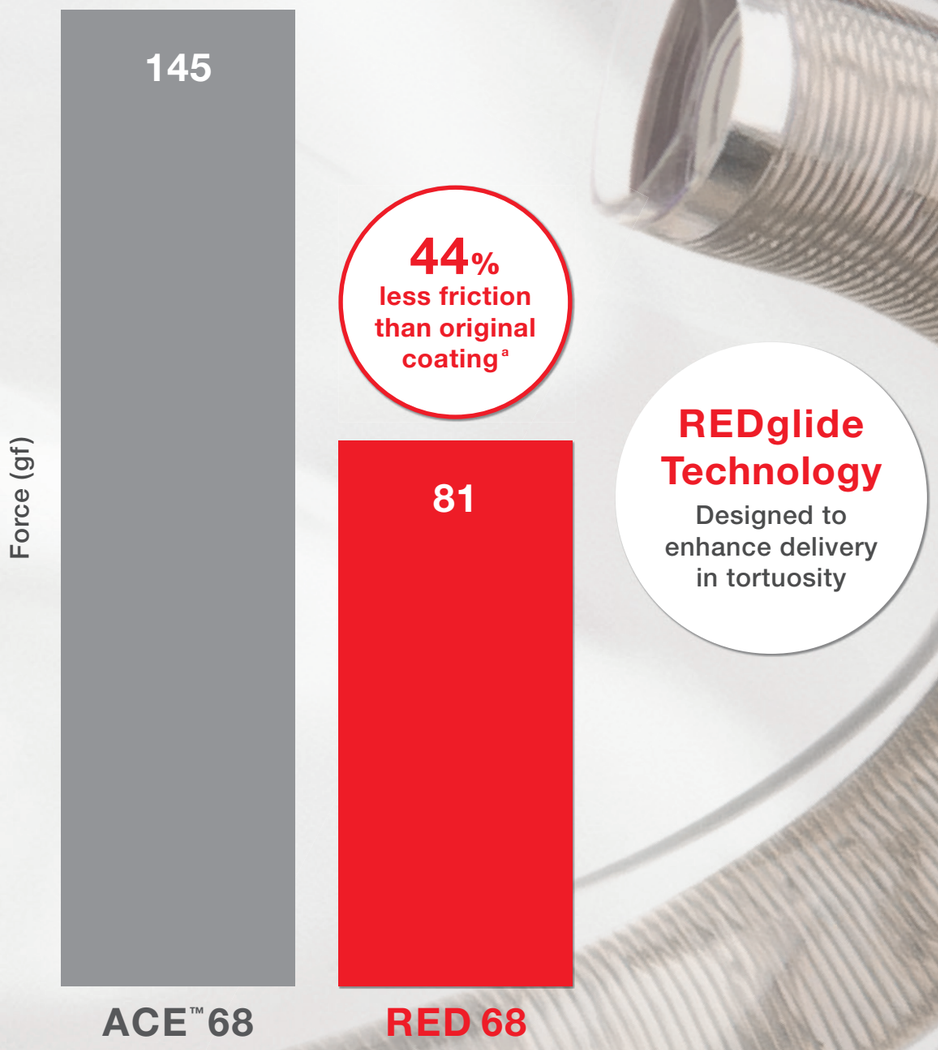


16 Material Transitions

Enables smooth force transmission and minimises kinking



The REDglide Difference



44% less friction than original coating[a]

REDglide Technology

Designed to enhance delivery in tortuosity

a. Tests performed and data on file at Penumbra, Inc. Benchtop testing performed on flow model. Forces measured with Instron® machine. Reduction in force attributed to friction as only variable between fixed testing environments. Bench test results may not be indicative of clinical performance. Photographs taken by and on file at Penumbra, Inc.

Distal Nitinol Coil Wind · Stainless Steel and Nitinol Tri-Wire Technology · Full Length PTFE Liner · Deliver with 3MAX™ or Velocity™ Microcatheter · Use with BENCHMARK™ BMX™96 or Neuron MAX™ · Powered by Penumbra ENGINE™

Catalog Number	Description	Proximal OD (F) (in.) (mm)	Distal OD (mm)	Proximal ID (in.) (mm)	Distal ID (in.) (mm)	Working Length (cm)
Penumbra System						
ASPIRATION KITS						
RED72KIT	RED 72 Reperfusion Catheter + Penumbra Aspiration Tubing	6 (.085) (2.16)	2.16	.072 (1.83)	.072 (1.83)	132
RED68KIT	RED 68 Reperfusion Catheter + Penumbra Aspiration Tubing	6 (.084) (2.13)	2.13	.068 (1.73)	.068 (1.73)	132
RED62SKIT	RED 62 Reperfusion Catheter + Penumbra Aspiration Tubing	6 (.076) (1.93)	1.93	.062 (1.57)	.062 (1.57)	138
5MAXJET7BKIT	Penumbra JET™7 Reperfusion Catheter with Standard Tip + Penumbra Hi-Flow Tubing	6 (.085) (2.16)	2.16	.072 (1.83)	.072 (1.83)	132
5MAXJETDKIT	Penumbra JET D Reperfusion Catheter + Penumbra Hi-Flow Tubing	6 (.080) (2.03)	1.65	.064 (1.63)	.054 (1.37)	138
5MAXACE068KIT	ACE™68 Reperfusion Catheter + Penumbra Hi-Flow Tubing	6 (.080) (2.03)	2.03	.068 (1.73)	.068 (1.73)	132
5MAXACE132KIT	ACE60 Reperfusion Catheter + Penumbra Hi-Flow Tubing	6 (.080) (2.03)	1.80	.068 (1.73)	.060 (1.52)	132
4MAXCKIT	4MAX™ Reperfusion Catheter + Penumbra Hi-Flow Tubing	6 (.080) (2.03)	1.42	.064 (1.63)	.041 (1.04)	139
3MAXCKIT	3MAX Reperfusion Catheter + Penumbra Hi-Flow Tubing	4.7 (.062) (1.57)	1.27	.043 (1.09)	.035 (.89)	160
REPERFUSION CATHETERS						
RED72	RED 72 Reperfusion Catheter	6 (.085) (2.16)	2.16	.072 (1.83)	.072 (1.83)	132
RED68	RED 68 Reperfusion Catheter	6 (.084) (2.13)	2.13	.068 (1.73)	.068 (1.73)	132
RED62S	RED 62 Reperfusion Catheter	6 (.076) (1.93)	1.93	.062 (1.57)	.062 (1.57)	138
5MAXJET7B	Penumbra JET 7 Reperfusion Catheter with Standard Tip	6 (.085) (2.16)	2.16	.072 (1.83)	.072 (1.83)	132
5MAXJETD	Penumbra JET D Reperfusion Catheter	6 (.080) (2.03)	1.65	.064 (1.63)	.054 (1.37)	138
5MAXACE068	ACE68 Reperfusion Catheter	6 (.080) (2.03)	2.03	.068 (1.73)	.068 (1.73)	132
5MAXACE132	ACE60 Reperfusion Catheter	6 (.080) (2.03)	1.80	.068 (1.73)	.060 (1.52)	132
4MAXC	4MAX Reperfusion Catheter	6 (.080) (2.03)	1.42	.064 (1.63)	.041 (1.04)	139
3MAXC	3MAX Reperfusion Catheter	4.7 (.062) (1.57)	1.27	.043 (1.09)	.035 (.89)	160
REVASCULARISATION DEVICE		Diameter	Device Length	Working Length		
PSR3D	3D Revascularization Device™	4.5 mm	26 mm	20 mm		
DELIVERY MICROCATHETER						
VEL160STR	Velocity™ Microcatheter	2.95 (.0387) (.983)	.867	.025 (.635)	.025 (.635)	160
SEPARATOR™ DEVICES						
PSF054	5MAX Separator	—	1.14	—	—	175
PSF041	4MAX Separator	—	.89	—	—	175
3MAXS	3MAX Separator	—	.76	—	—	190
ASPIRATION ACCESSORIES						
PMXENGN	Penumbra ENGINE™					
PAPS3	Penumbra ENGINE Canister					

Prior to use, please refer to the Instructions for Use for complete product indications, contraindications, warnings, precautions, potential adverse events, and detailed instructions for use.

PENUMBRA SYSTEM – Intended Use
The PENUMBRA SYSTEM is intended for use in the revascularization of patients with acute ischemic stroke secondary to intracranial large vessel occlusive disease using continuous aspiration.
Potential Adverse Events
Possible complications include, but are not limited to, the following: allergic reaction and anaphylaxis from contrast media; acute occlusion; air embolism; arteriovenous fistula; death; device malfunction; distal embolization; emboli; false aneurysm formation; hematoma or hemorrhage at access site; inability to completely remove thrombus; infection; intracranial hemorrhage; ischemia; kidney damage from contrast media; neurological deficits including stroke; vessel spasm, thrombosis, dissection, or perforation; radiation exposure that may lead to cataracts, skin reddening, burns, alopecia, or neoplasia from x-ray exposure.

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PENUMBRA ENGINE – Intended Use
The PENUMBRA ENGINE is intended as a vacuum source for Penumbra Aspiration Systems.

Penumbra Delivery Microcatheters – Intended Use
The Penumbra Delivery Microcatheters are intended to assist in the delivery of diagnostic agents, such as contrast media, and therapeutic agents, such as occlusion coils to the peripheral and neuro vasculature.
Potential Adverse Events
Possible complications include, but are not limited to, the following: acute occlusion; hematoma or hemorrhage at access site; death; intracranial hemorrhage; hemorrhage; infection (at access site); distal embolization; ischemia (cardiac and/or cerebral); embolus (air, foreign body, thrombus, plaque); aneurysm perforation; false aneurysm formation; neurological deficits including stroke; vessel spasm, thrombosis, dissection, perforation or rupture; air embolism; emboli.

BENCHMARK BMX96 System – Intended Use
The BENCHMARK BMX96 System is intended for the introduction of interventional devices into the peripheral, coronary, and neuro vasculature.
Potential Adverse Events
Possible complications include, but are not limited to, the following: acute occlusion; air embolism; death; distal embolization; emboli; false aneurysm formation; hematoma or hemorrhage at puncture site; infection; intracranial hemorrhage; ischemia; neurological deficits including stroke; vessel spasm, thrombosis, dissection, or perforation.

NEURON MAX System – Intended Use
The NEURON MAX System is intended for the introduction of interventional devices into the peripheral, coronary, and neuro vasculature.
Potential Adverse Events
Possible complications include, but are not limited to, the following: acute occlusion; air embolism; death; distal embolization; emboli; false aneurysm formation; hematoma or hemorrhage at puncture site; infection; intracranial hemorrhage; ischemia; neurological deficits including stroke; vessel spasm, thrombosis, dissection, or perforation.

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Photographs taken by and on file at Penumbra, Inc.

Product availability varies by country. Please contact your local Penumbra representative for more information.

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