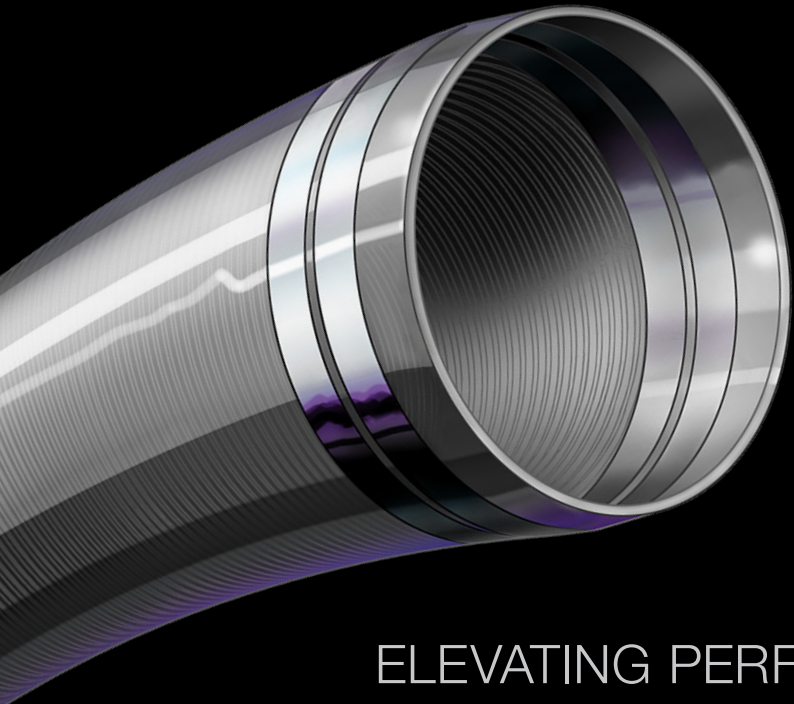


Penumbra System



ELEVATING PERFORMANCE WITH

Penumbra

JET 7

Penumbra

+ ENGINE

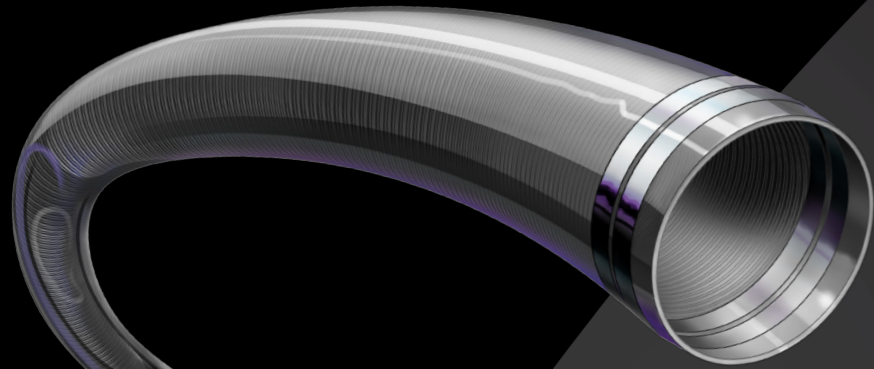


Penumbra 

Penumbra
JET 7

HIGHEST TRF

WITH PENUMBRA JET 7
POWERED BY PENUMBRA ENGINE



.072" LUMEN
(1.83 mm)

20 TRANSITIONS
for trackability and navigation

ARTICULATING MARKER BAND
designed to improve tip softness

SUPERIOR FLEXIBILITY
enabled by progressive distal coil wind

ENHANCED PUSHABILITY
featuring Quad-Wire technology

FULL LENGTH PTFE LINER
designed for durability
with adjunctive devices

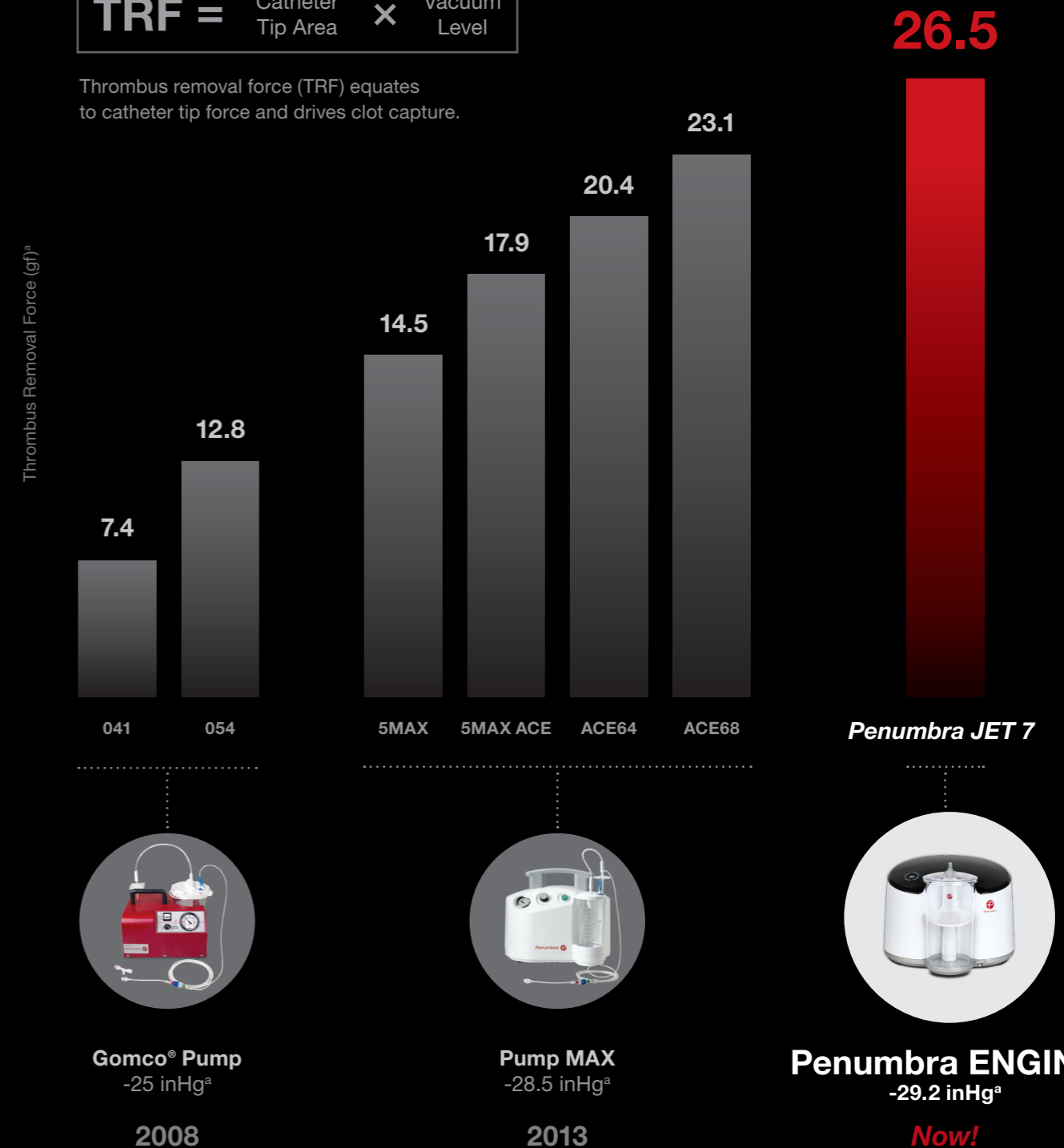
2.16 mm



132 cm length

$$\text{TRF} = \frac{\text{Catheter Tip Area}}{\text{Vacuum Level}} \times$$

Thrombus removal force (TRF) equates to catheter tip force and drives clot capture.









a. Tests performed and data on file at Penumbra, Inc. Bench test results may not be indicative of clinical performance.

ORDERING INFORMATION







Penumbra System

| Proximal OD | Distal OD | Proximal ID | Distal ID | Working Length | | |
|---------------------------------|---|---------------------|----------------------|--------------------------|-------------|------------|
| Catalog Number | Description | (F) (in.) (mm) | (F) (in.) (mm) | (in.) (mm) | (in.) (mm) | (cm) |
| Aspiration Kits | | | | | | |
| 5MAXJET7KIT | Penumbra JET 7 Reperfusion Catheter + Penumbra Hi-Flow Tubing | 6 (.085) (2.16) | 6 (.085) (2.16) | .072 (1.83) | .072 (1.83) | 132 |
| 5MAXJETDKIT | Penumbra JET D Reperfusion Catheter + Penumbra Hi-Flow Tubing | 6 (.080) (2.03) | 5 (.065) (1.65) | .064 (1.63) | .054 (1.37) | 138 |
| 5MAXACE068KIT | ACE68 Reperfusion Catheter + Penumbra Hi-Flow Tubing | 6 (.080) (2.03) | 6 (.080) (2.03) | .068 (1.73) | .068 (1.73) | 132 |
| 5MAXACE064KIT | ACE64 Reperfusion Catheter + Penumbra Hi-Flow Tubing | 6 (.080) (2.03) | 5.75 (.0755) (1.92) | .068 (1.73) | .064 (1.63) | 132 |
| 5MAXACE132KIT | ACE60 Reperfusion Catheter + Penumbra Hi-Flow Tubing | 6 (.080) (2.03) | 5.4 (.071) (1.80) | .068 (1.73) | .060 (1.52) | 132 |
| PSC054KIT | 5MAX Reperfusion Catheter + Penumbra Hi-Flow Tubing | 6 (.080) (2.03) | 5 (.065) (1.65) | .064 (1.63) | .054 (1.37) | 132 |
| 4MAXCKIT | 4MAX Reperfusion Catheter + Penumbra Hi-Flow Tubing | 6 (.080) (2.03) | 4.3 (.056) (1.42) | .064 (1.63) | .041 (1.04) | 139 |
| Reperfusion Catheters | | | | | | |
| 5MAXJETD | Penumbra JET D Reperfusion Catheter | 6 (.080) (2.03) | 5 (.065) (1.65) | .064 (1.63) | .054 (1.37) | 138 |
| 3MAXC | 3MAX Reperfusion Catheter | 4.7 (.062) (1.57) | 3.8 (.050) (1.27) | .043 (1.09) | .035 (.89) | 160 |
| Revascularisation Device | | | | | | |
| PSR3D | 3D Revascularization Device | n/a | Diameter (mm) 4.5 | Device Length (mm) 26 | n/a | (mm) 20 |
| Delivery Microcatheter | | | | | | |
| VEL160STR | Velocity Microcatheter | 2.95 (.0387) (.983) | 2.6 (.034) (.867) | .025 (.635) | .025 (.635) | 160 |
| Separator Devices | | | | | | |
| PSF054 | 5MAX Separator | n/a | .045 (1.14) | n/a | n/a | 175 |
| PSF041 | 4MAX Separator | n/a | .035 (.89) | n/a | n/a | 175 |
| 3MAXS | 3MAX Separator | n/a | .030 (.76) | n/a | n/a | 190 |
| Aspiration Accessories | | | | | | |
| PMXENGN | Penumbra ENGINE | | | | | |
| PAPS3 | Penumbra ENGINE Canister | | | | | |

Neuron MAX 6 F 088 Lumen Long Sheath

| Tip Shape | Working Length | Distal Flexible Zone | Inner Diameter | | |
|--|--|---|----------------|------------|-------------|
| Catalog Number | Description | (cm) | (cm) | (in.) (mm) | |
| (Crosscut Valve, RHV, and Dilator Included) | | | | | |
| PNML6F088804 | 6 F 088 Neuron MAX Long Sheath, 80/4 Straight |  | 80 | 4 | .088 (2.24) |
| PNML6F088804M | 6 F 088 Neuron MAX Long Sheath, 80/4 MP |  | 80 | 4 | .088 (2.24) |
| PNML6F088904 | 6 F 088 Neuron MAX Long Sheath, 90/4 Straight |  | 90 | 4 | .088 (2.24) |
| PNML6F088904M | 6 F 088 Neuron MAX Long Sheath, 90/4 MP |  | 90 | 4 | .088 (2.24) |
| PNML6F0881004 | 6 F 088 Neuron MAX Long Sheath, 100/4 Straight |  | 100 | 4 | .088 (2.24) |
| PNML6F0881004M | 6 F 088 Neuron MAX Long Sheath, 100/4 MP |  | 100 | 4 | .088 (2.24) |

6 F Select Catheters

| Tip Shape | Working Length | Distal Flexible Zone | Inner Diameter | | |
|----------------|-------------------------------|---|----------------|------------|-------------|
| Catalog Number | Description | (cm) | (cm) | (in.) (mm) | |
| PNS6F105H1 | 6 F Select Catheter, 105 H1 |  | 105 | 9 | .040 (1.02) |
| PNS6F105BER | 6 F Select Catheter, 105 BER |  | 105 | 9 | .040 (1.02) |
| PNS6F125H1 | 6 F Select Catheter, 125 H1 |  | 125 | 9 | .040 (1.02) |
| PNS6F125SIM | 6 F Select Catheter, 125 SIM |  | 125 | 9 | .040 (1.02) |
| PNS6F125SIMV | 6 F Select Catheter, 125 SIMV |  | 125 | 9 | .040 (1.02) |
| PNS6F125BER | 6 F Select Catheter, 125 BER |  | 125 | 9 | .040 (1.02) |

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 or burns from x-ray exposure.

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.

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

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