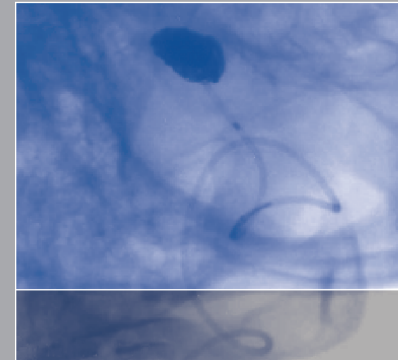
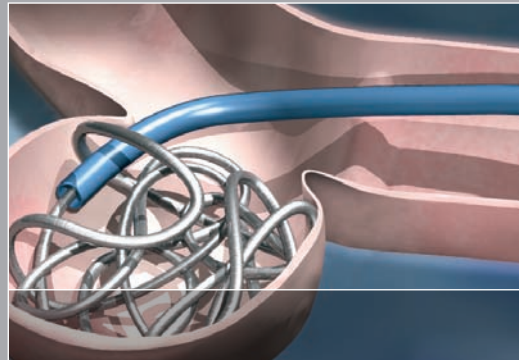


PROWLER® and PROWLER® SELECT® Microcatheters



A complete line of microcatheters
offering **flexibility, stability** and
TRUELUMEN® Technology.

Codman Neurovascular Microcatheters: A History of Innovation

Braid/Coil Technology

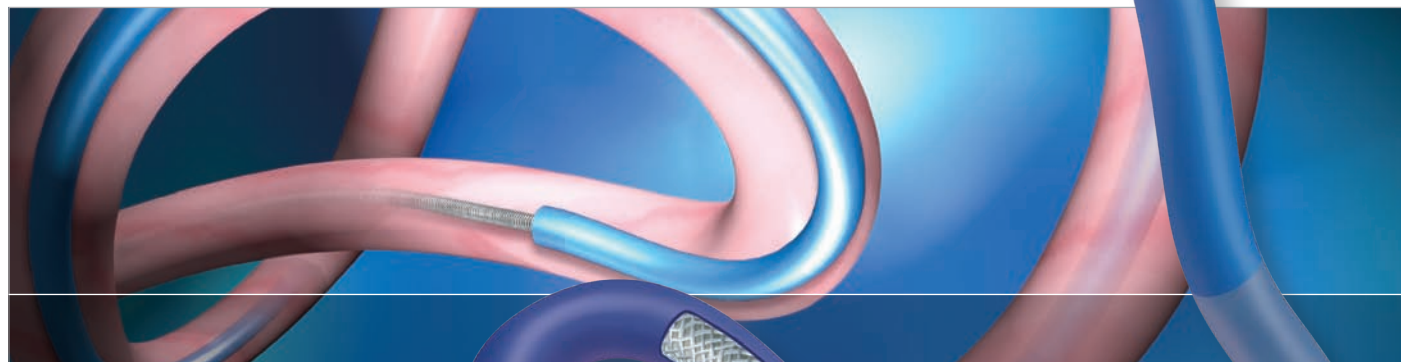
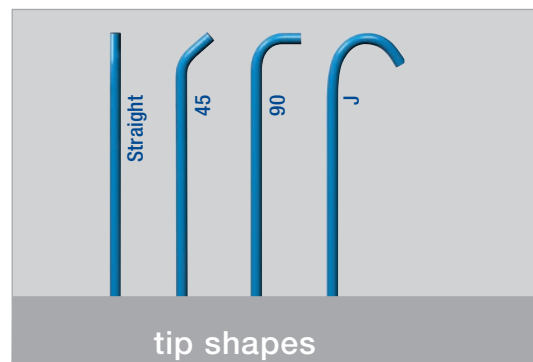
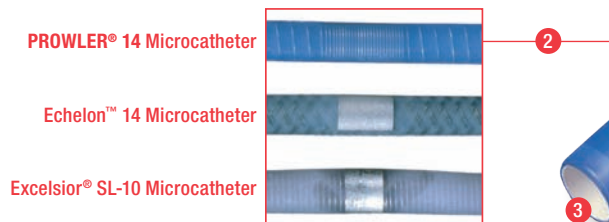
- **TRANSIT®** Microcatheter, the first Braid/Coil reinforced microcatheter launched in 1993.
- Balancing pushability and flexibility, the **PROWLER®** family of Braid/Coil microcatheters were introduced between 1997 and 1999.

Pre-Shapes

- In 2001, the first to introduce pre-shaped tips – straight, 45°, 90° and J – in the **PROWLER®** family of microcatheters.

Enhanced Stability

- Most recently, the **PROWLER® SELECT® LP ES** and **PROWLER® SELECT® Plus** Microcatheters were launched, offering improved stability.



1 Proprietary Braid/Coil Construction

- Provides a balance of pushability (braid section) and flexibility (coil section)

2 TRUELUMEN® Technology

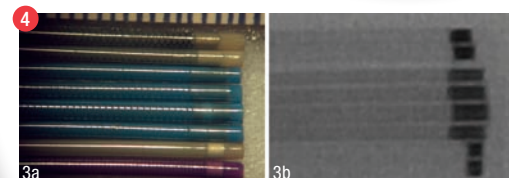
- Provides a consistent inner diameter throughout the length of the microcatheter
- In-line marker bands provide a consistent profile and enhanced visibility under fluoroscopy

3 Widest Choice:

- Three inner diameters (in.): 0.015, 0.0165 and 0.021
- Four soft tip shapes: Straight, 45, 90 and J
- Multiple zones: Balance of flexibility and stability

4 Accurate Tip Position:

- **PROWLER®** Microcatheters have the shortest distal tips extending past the distal marker.¹ Shorter distal tips provide more accurate representation of tip position under fluoroscopy.



¹ Structural limitations of currently available microcatheters and coils for endovascular coiling of very small aneurysms, Lim et al, *Neuroradiology*. 2008 May;50(5):423-7. Fig 3a and b, © 2008 Springer; Used with kind permission from Springer Science and Business Media.

Flexibility

PROWLER® 10

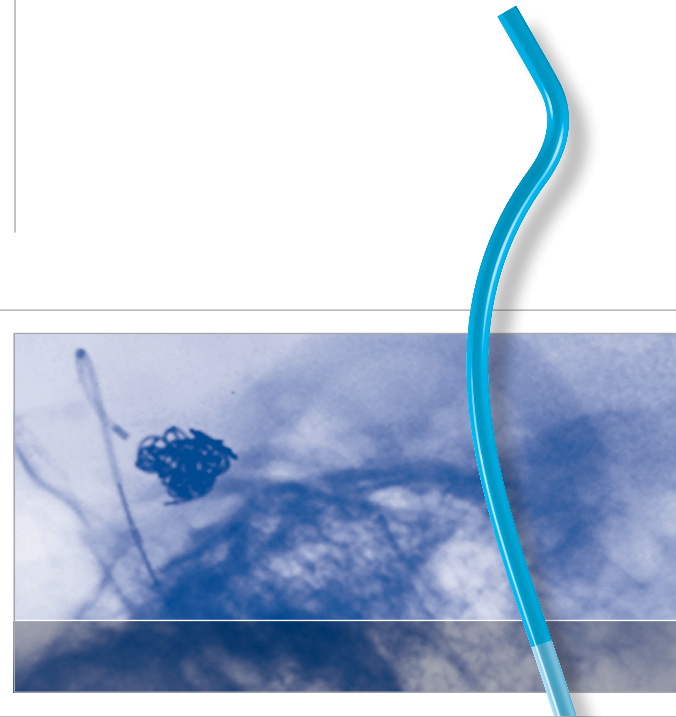
PROWLER® 14

PROWLER® Plus

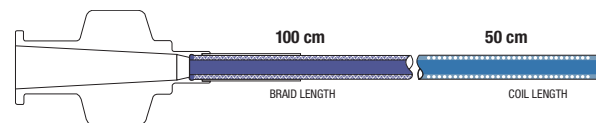
Stability

PROWLER® SELECT® LP ES

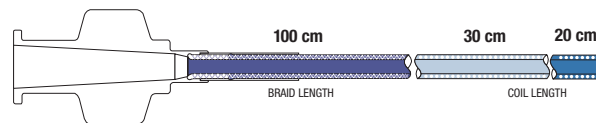
PROWLER® SELECT® Plus



**LONGER DISTAL COIL LENGTH +
SHORTER PROXIMAL BRAID LENGTH = FLEXIBILITY**

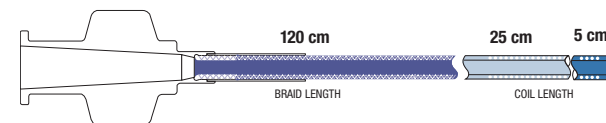


PROWLER® 14

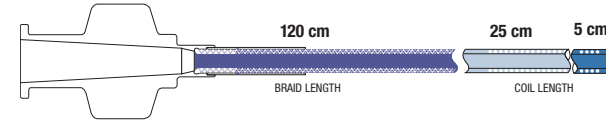


PROWLER® Plus

**SHORTER DISTAL COIL LENGTH +
LONGER PROXIMAL BRAID LENGTH = STABILITY**



PROWLER® SELECT® LP ES



PROWLER® SELECT® Plus

PROXIMAL NYLON SECTION

MIDDLE HYDROPHILIC SECTION

DISTAL HYDROPHILIC SECTION

PROWLER® Family of Microcatheters

A complete line of microcatheters offering **flexibility, stability** and **TRUELUMEN® Technology**.

CONSTRUCTION

- Proprietary Braid/Coil Reinforced Technology
 - Proximal Braided Shaft
 - Distal Reinforced Coil
- TRUELUMEN® Technology
- Inner Coating: PTFE Liner
- Outer Coating: Hydrophilic
- Hub Material: Nylon

PRODUCT COMPATIBILITY

- TRUFILL DCS ORBIT®
 - Detachable Coil System
- TRUFILL® Pushable Coils
- TRUFILL® n-BCA
 - Liquid Embolic System

ORDERING INFORMATION: STABILITY

Catalog No.	Shape	OD (prox./distal)	ID (in.)	Usable Length (cm)	Distal Length (cm)	Tip Markers
PROWLER® SELECT® LP ES Microcatheter						
606-S155X	Straight	2.3F/1.9F	0.0165	150	5	2
606-S155FX	45	2.3F/1.9F	0.0165	150	5	2
606-S155MX	90	2.3F/1.9F	0.0165	150	5	2
606-S155JX	J	2.3F/1.9F	0.0165	150	5	2
PROWLER® SELECT® Plus Microcatheter						
606-S255X	Straight	2.8F/2.3F	0.021	150	5	2
606-S255FX	45	2.8F/2.3F	0.021	150	5	2
606-S255MX	90	2.8F/2.3F	0.021	150	5	2
606-S255JX	J	2.8F/2.3F	0.021	150	5	2
606-S252X	Straight	2.8F/2.3F	0.021	150	15	2
606-S252FX	45	2.8F/2.3F	0.021	150	15	2
606-S252	Straight	2.8F/2.3F	0.021	150	15	1

ORDERING INFORMATION: FLEXIBILITY

Catalog No.	Shape	OD (prox./distal)	ID (in.)	Usable Length (cm)	Distal Length (cm)	Tip Markers
PROWLER® 10 Microcatheter						
606-051X	Straight	2.3F/1.7F	0.015	150	50	2
606-051FX	45	2.3F/1.7F	0.015	150	50	2
606-051MX	90	2.3F/1.7F	0.015	150	50	2
606-051JX	J	2.3F/1.7F	0.015	150	50	2
606-051	Straight	2.3F/1.7F	0.015	150	50	1
PROWLER® 14 Microcatheter						
606-151X	Straight	2.3F/1.9F	0.0165	150	50	2
606-151FX	45	2.3F/1.9F	0.0165	150	50	2
606-151MX	90	2.3F/1.9F	0.0165	150	50	2
606-151JX	J	2.3F/1.9F	0.0165	150	50	2
606-151	Straight	2.3F/1.9F	0.0165	150	50	1
606-171	Straight	2.3F/1.9F	0.0165	170	50	1
PROWLER® Plus Microcatheter						
606-2510X	Straight	2.8F/2.3F	0.021	150	20	2
606-2510FX	45	2.8F/2.3F	0.021	150	20	2
606-2510MX	90	2.8F/2.3F	0.021	150	20	2
606-2510JX	J	2.8F/2.3F	0.021	150	20	2
606-2510	Straight	2.8F/2.3F	0.021	150	20	1
606-2511X	Straight	2.8F/2.3F	0.021	150	45	2
606-2511FX	45 (MP)	2.8F/2.3F	0.021	150	45	2
606-2511	Straight	2.8F/2.3F	0.021	150	45	1
606-2910	Straight	2.8F/2.3F	0.021	110	20	1
606-2310	Straight	2.8F/2.3F	0.021	135	20	1

PROWLER® and PROWLER® SELECT® Essential Prescribing Information (EPI)

INDICATIONS: The Codman Neurovascular Infusion Catheters are intended to be used as a mechanism for the infusion of various diagnostic, embolic, and therapeutic agents into the neuro, periphery and coronary vasculature, for guidewire exchange and support, and for superselective angiography of the peripheral and coronary vasculatures. All agents must be used in accordance with manufacturer's "Instructions for Use." It is recommended that the Codman Neurovascular Infusion Catheters be used with a guiding catheter, a compatible catheter sheath introducer and a steerable guidewire. **CONTRAINDICATIONS:** None known. **WARNINGS: THIS DEVICE IS INTENDED FOR ONE USE ONLY.** Discard the infusion catheter after one procedure. Structural integrity and/or function may be impaired through reuse or cleaning. Catheters are extremely difficult to clean after exposure to biological materials and may cause adverse patient reactions if reused. Never advance or withdraw an intraluminal device against resistance until the cause of resistance is determined by fluoroscopy. If the cause cannot be determined, withdraw the catheter. Movement against resistance may result in damage to the vessel. The infusion pressure should not exceed the maximum listed pressure for each catheter, as indicated in the flowrate charts. Pressure in excess of the recommended range may result in catheter rupture or tip severance. **PRECAUTIONS:** Store in a cool, dark, dry place. Do not use if package is open or damaged. Use prior to the "Use By" date. Read and follow the "Instructions for Use" of all agents or contrast media used with the infusion catheters. **COMPLICATIONS:** Procedures requiring percutaneous catheter introduction should not be attempted by physicians unfamiliar with the possible complications, which may occur during or after the procedure. Possible complications include, but are not limited to, the following: embolism; hematoma at the punctured site; infection; dissection; perforation of vessel wall; and/or distal embolization.

Caution: Federal (USA) law restricts these devices to sale by or on the order of a physician. Prior to use, please read the more detailed information in the "Instructions for Use."

USA

Codman & Shurtleff, Inc.

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Raynham, MA 02767
www.codman.com

To place an order, call 1-800-255-2500.

For technical/product questions,
call 1-800-225-0460.

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VC/SE CNV-02-000