

# Polaris™ Ultra

Dual Durometer Ureteral Stent with Percuflex® Material and HydroPlus™ Coating

## ORDERING INFORMATION

French Size x Length Between Pigtails	Without Guidewire	.038" Stiff Shaft PTFE Straight 3cm Flexible Tip	.038" Glidewire® Straight 3cm Flexible Tip	.035" Stiff Shaft Glidewire Straight 3cm Flexible Tip
5 x 10	M0061921110	M006192111010	M006192111020	M006192111030
5 x 12	M0061921120	M006192112010	M006192112020	M006192112030
5 x 14	M0061921130	M006192113010	M006192113020	M006192113030
5 x 16	M0061921140	M006192114010	M006192114020	M006192114030
5 x 18	M0061921150	M006192115010	M006192115020	M006192115030
5 x 20	M0061921200	M006192120010	M006192120020	M006192120030
5 x 22	M0061921210	M006192121010	M006192121020	M006192121030
5 x 24	M0061921220	M006192122010	M006192122020	M006192122030
5 x 26	M0061921230	M006192123010	M006192123020	M006192123030
5 x 28	M0061921240	M006192124010	M006192124020	M006192124030
5 x 30	M0061921250	M006192125010	M006192125020	M006192125030
6 x 20	M0061921300	M006192130010	M006192130020	M006192130030
6 x 22	M0061921310	M006192131010	M006192131020	M006192131030
6 x 24	M0061921320	M006192132010	M006192132020	M006192132030
6 x 26	M0061921330	M006192133010	M006192133020	M006192133030
6 x 28	M0061921340	M006192134010	M006192134020	M006192134030
6 x 30	M0061921350	M006192135010	M006192135020	M006192135030
7 x 20	M0061921400	M006192140010	M006192140020	M006192140030
7 x 22	M0061921410	M006192141010	M006192141020	M006192141030
7 x 24	M0061921420	M006192142010	M006192142020	M006192142030
7 x 26	M0061921430	M006192143010	M006192143020	M006192143030
7 x 28	M0061921440	M006192144010	M006192144020	M006192144030
7 x 30	M0061921450	M006192145010	M006192145020	M006192145030
8 x 20	M0061921500	M006192150010	M006192150020	M006192150030
8 x 22	M0061921510	M006192151010	M006192151020	M006192151030
8 x 24	M0061921520	M006192152010	M006192152020	M006192152030
8 x 26	M0061921530	M006192153010	M006192153020	M006192153030
8 x 28	M0061921540	M006192154010	M006192154020	M006192154030
8 x 30	M0061921550	M006192155010	M006192155020	M006192155030

French Size x Length Between Pigtails	.035" Glidewire Straight 3cm Flexible Tip	.035" Stiff Shaft PTFE Straight 3cm Flexible Tip	.035" Sensor® PTFE-Nitinol Dual-Flex	.038" Sensor PTFE-Nitinol Dual-Flex
5 x 10	M006192111040	M00619211101050	M006192111090	M006192111120
5 x 12	M006192112040	M00619211201050	M006192112090	M006192112120
5 x 14	M006192113040	M00619211301050	M006192113090	M006192113120
5 x 16	M006190114040	M00619211401050	M006192114090	M006192114120
5 x 18	M006192115040	M00619211501050	M006192115090	M006192115120
5 x 20	M006192120040	M00619212001050	M006192120090	M006192120120
5 x 22	M006192121040	M00619212101050	M006192121090	M006192121120
5 x 24	M006192122040	M00619212201050	M006192122090	M006192122120
5 x 26	M006192123040	M00619212301050	M006192123090	M006192123120
5 x 28	M006192124040	M00619212401050	M006192124090	M006192124120
5 x 30	M006192125040	M00619212501050	M006192125090	M006192125120
6 x 20	M006192130040	M00619213001050	M006192130090	M006192130120
6 x 22	M006192131040	M00619213101050	M006192131090	M006192131120
6 x 24	M006192132040	M00619213201050	M006192132090	M006192132120
6 x 26	M006192133040	M00619213301050	M006192133090	M006192133120
6 x 28	M006192134040	M00619213401050	M006192134090	M006192134120
6 x 30	M006192135040	M00619213501050	M006192135090	M006192135120
7 x 20	M006192140040	M00619214001050	M006192140090	M006192140120
7 x 22	M006192141040	M00619214101050	M006192141090	M006192141120
7 x 24	M006192142040	M00619214201050	M006192142090	M006192142120
7 x 26	M006192143040	M00619214301050	M006192143090	M006192143120
7 x 28	M006192144040	M00619214401050	M006192144090	M006192144120
7 x 30	M006192145040	M00619214501050	M006192145090	M006192145120
8 x 20	M006192150040	M00619215001050	M006192150090	M006192150120
8 x 22	M006192151040	M00619215101050	M006192151090	M006192151120
8 x 24	M006192152040	M00619215201050	M006192152090	M006192152120
8 x 26	M006192153040	M00619215301050	M006192153090	M006192153120
8 x 28	M006192154040	M00619215401050	M006192154090	M006192154120
8 x 30	M006192155040	M00619215501050	M006192155090	M006192155120

Sof-Flex is a trademark of Vance Products Incorporated.

Glidewire is a trademark of Terumo Corporation.

Refer to package insert provided with Polaris Ultra Stent for complete Instructions for Use, including indications for use, contraindications, potential complications, warnings and cautions.  
**Caution:** Federal Law (USA) restricts this device to sale by or on the order of a physician.

# Polaris™ Ultra

Dual Durometer Ureteral Stent with Percuflex® Material and HydroPlus™ Coating

Boston Scientific

Firm Placement  
Softer Bladder Coil

Boston Scientific

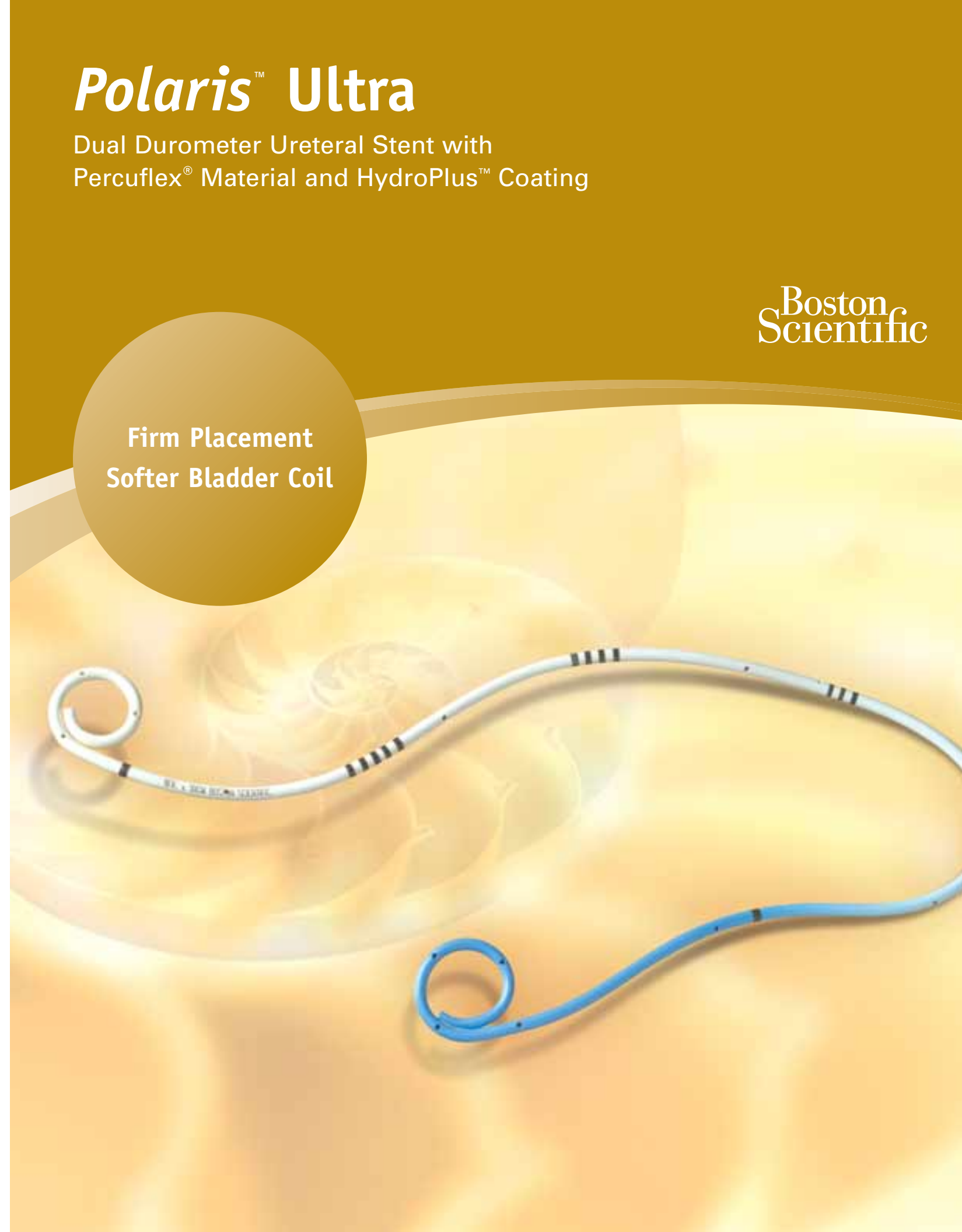
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Ordering Information  
 1.888.272.1001

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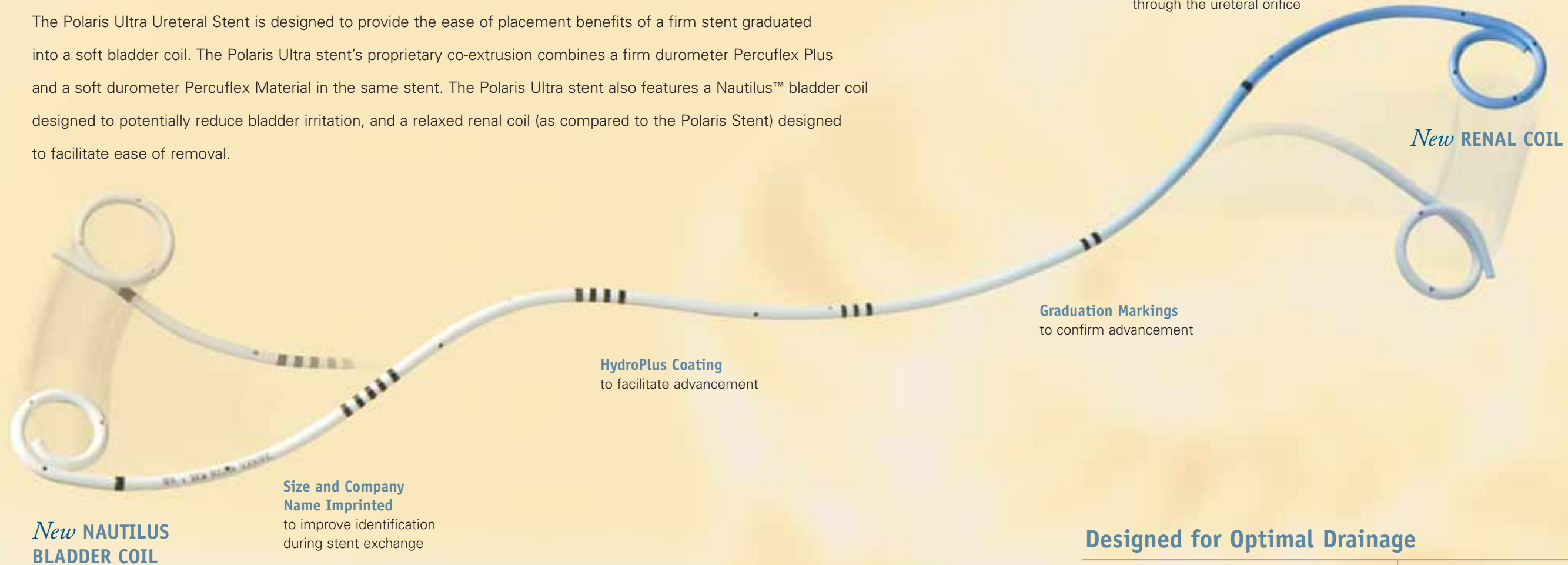
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# Polaris™ Ultra

## Dual Durometer Ureteral Stent with Percuflex® Material and HydroPlus™ Coating

The Polaris Ultra Ureteral Stent is designed to provide the ease of placement benefits of a firm stent graduated into a soft bladder coil. The Polaris Ultra stent's proprietary co-extrusion combines a firm durometer Percuflex Plus and a soft durometer Percuflex Material in the same stent. The Polaris Ultra stent also features a Nautilus™ bladder coil designed to potentially reduce bladder irritation, and a relaxed renal coil (as compared to the Polaris Stent) designed to facilitate ease of removal.



**Tapered Tip**  
designed to help facilitate ease of access through the ureteral orifice

*New* RENAL COIL

**Graduation Markings**  
to confirm advancement

**HydroPlus Coating**  
to facilitate advancement

**Size and Company Name Imprinted**  
to improve identification during stent exchange

*New* NAUTILUS  
BLADDER COIL

**Proprietary Co-extrusion**  
allows smooth transition from firm to soft stent durometer

BUTT WELD



LAP WELD



CO-EXTRUSION



### Percuflex Material with HydroPlus Coating Construction

biocompatible material designed for 365-day indwelling time\*

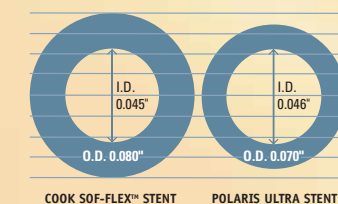
\* Data on file, Boston Scientific Corporation.

### Designed for Optimal Drainage

**Low Profile and Large Inner Lumen**  
is attainable due to the columnar strength and structural integrity of Percuflex Material

**The 5Fr Version**  
is designed to maximize urine flow and may be passed over an .038" guidewire

#### CROSS-SECTIONAL VIEW OF 6Fr vs. 5Fr STENT



### THE MATERIAL

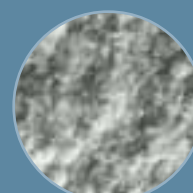
Percuflex Material is a proprietary copolymer with radiopaque filler that is designed specifically for the construction of ureteral stents. Stents constructed of Percuflex Material are available in firm, soft and dual durometers to meet the challenges of long-term ureteral stenting.

Stents made of Percuflex Material have a soft, smooth and flexible surface and a HydroPlus Coating which provides an ideal interface between the stent and the epithelial layer of the ureter. In addition, the inert properties of Percuflex Material offer proven biocompatibility for an indwelling time of up to 365 days:

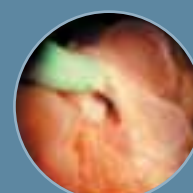
#### ELECTRON MICROSCOPY OF STENT SURFACES



Percuflex with HydroPlus Coating



Polyurethane (uncoated)



Indwelling Polyurethane Stent

*“Epithelial destruction is of major relevance to the biocompatibility of stents, since severe epithelial damage may lead to fibrosis of the ureteric wall and possible stricture formation.”*

*“The number of stents was small but the findings were clear: Hydro-Plus (and Silicone) stents appeared to be safer than the others as they caused less superficial epithelial destruction and host reaction.”*

Cormio, L.; Ureteric Injuries, Clinical and Experimental Studies., Scandinavian Journal of Urology and Nephrology., Supp. 171., 1995.