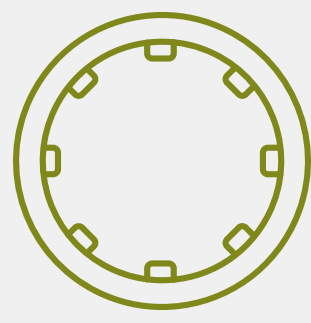




Exceptional  
deliverability<sup>1,2</sup>



Covered single  
stent design



Designed to save lives  
when seconds count<sup>3</sup>

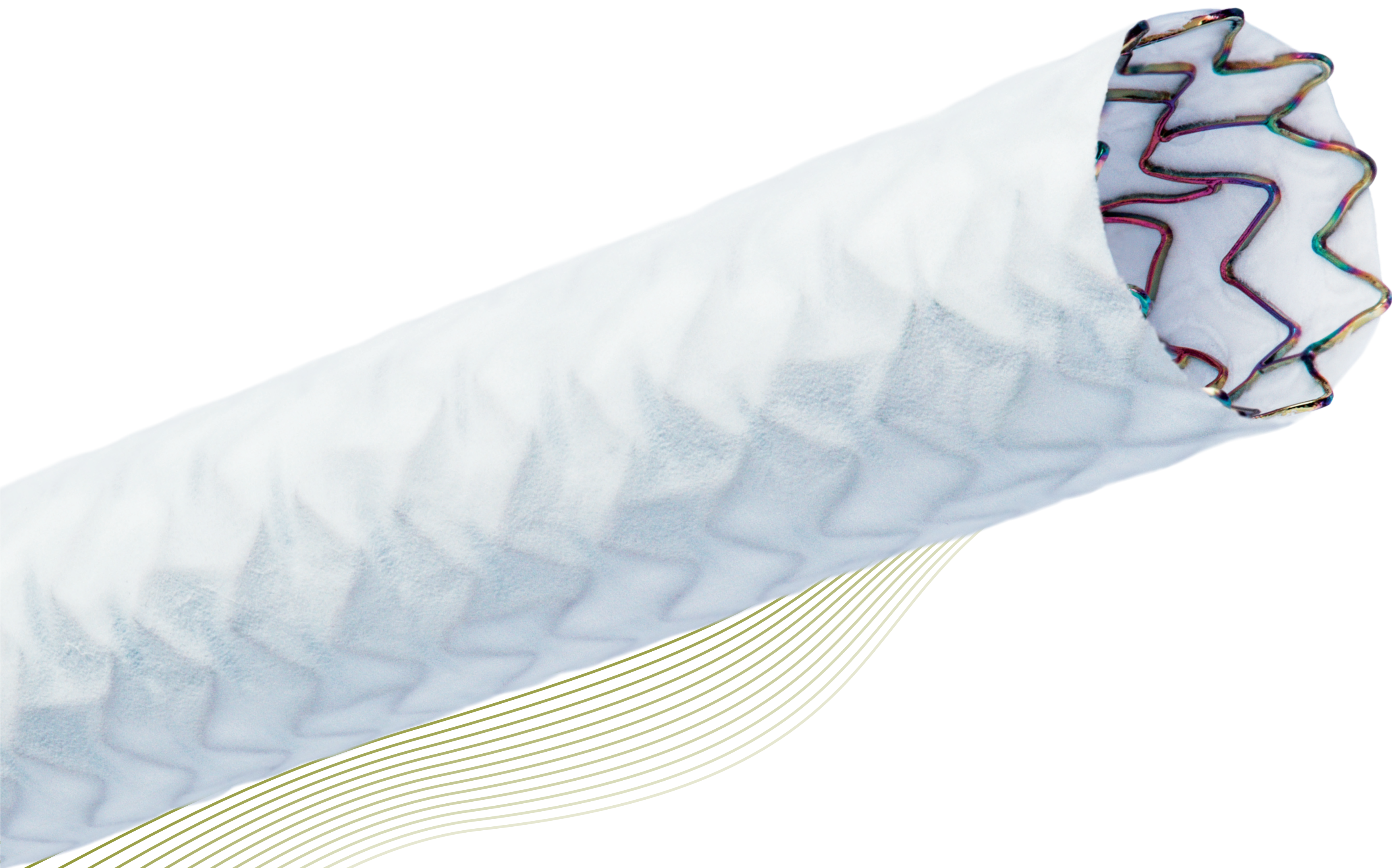


Technical data /  
ordering info

Vascular Intervention // **Coronary**  
Covered Coronary Stent System

 **BIOTRONIK**  
excellence for life

# PK Papyrus



Humanitarian Device. Authorized by Federal law for use in the treatment of acute perforations of native coronary arteries and coronary bypass grafts in vessels 2.5 to 5.0 mm in diameter. The effectiveness of this device for this use has not been demonstrated.

# PK Papyrus

Designed to deliver more like a conventional stent<sup>1,2</sup>

## Superior design for exceptional deliverability<sup>1,2</sup>

### Lowest crossing profile<sup>1</sup>

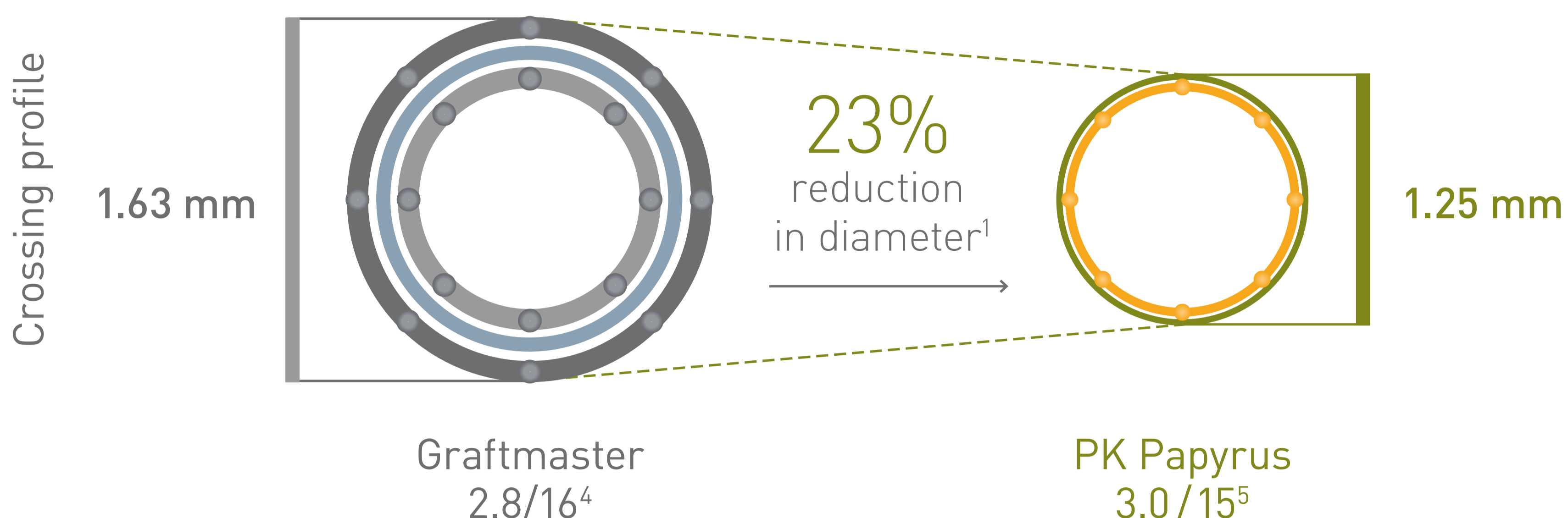
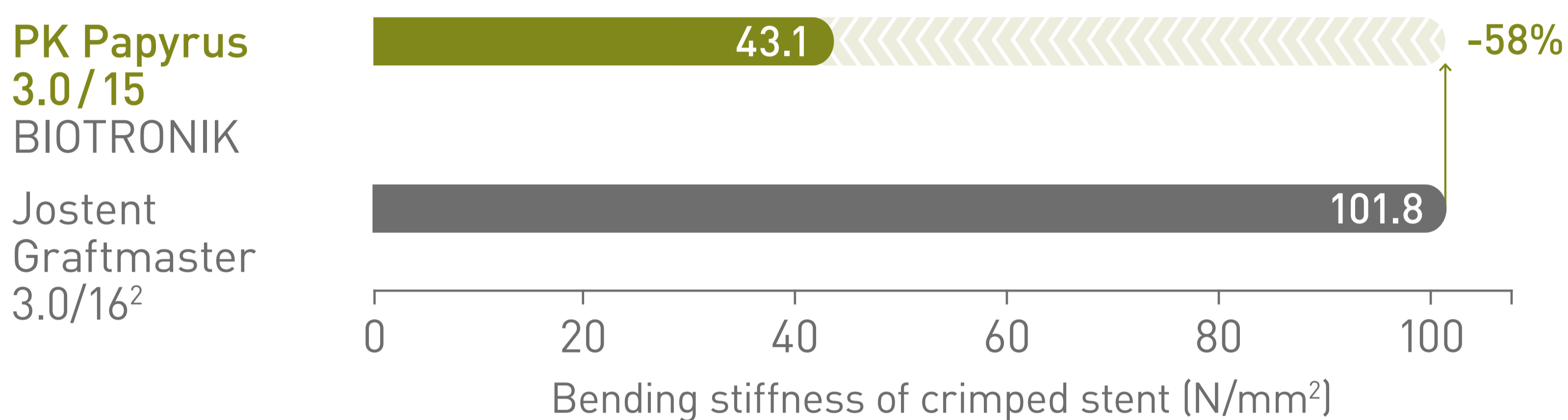


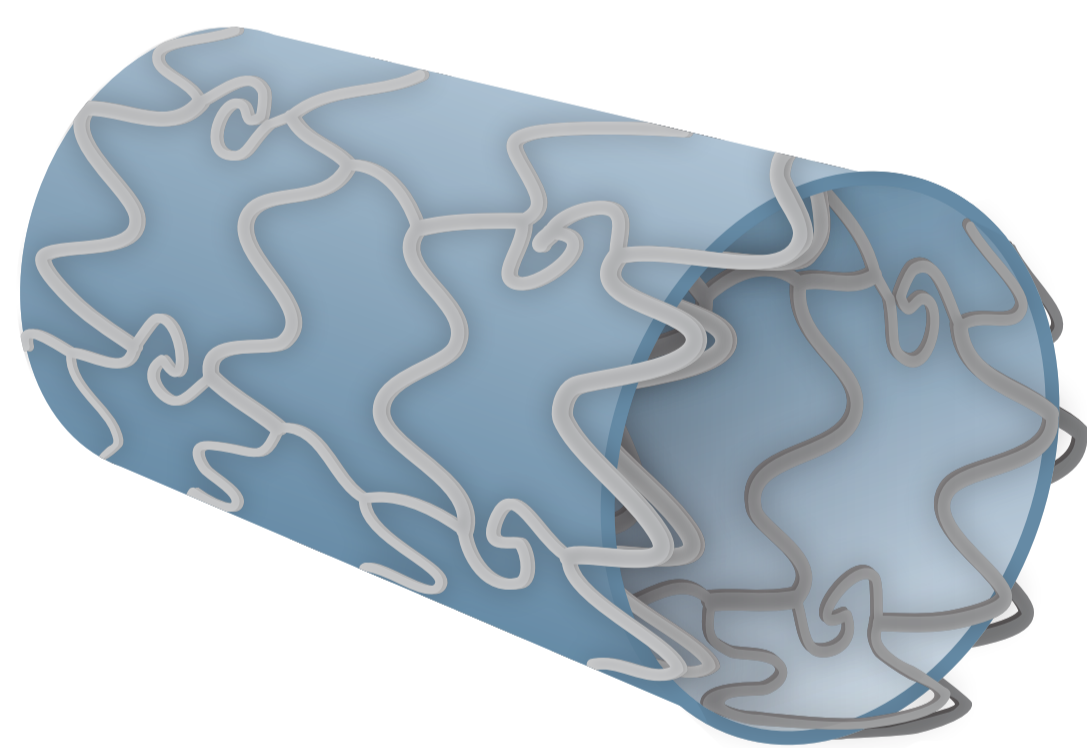
Illustration depicts crimped devices prior to inflation

### Superior flexibility<sup>2</sup>

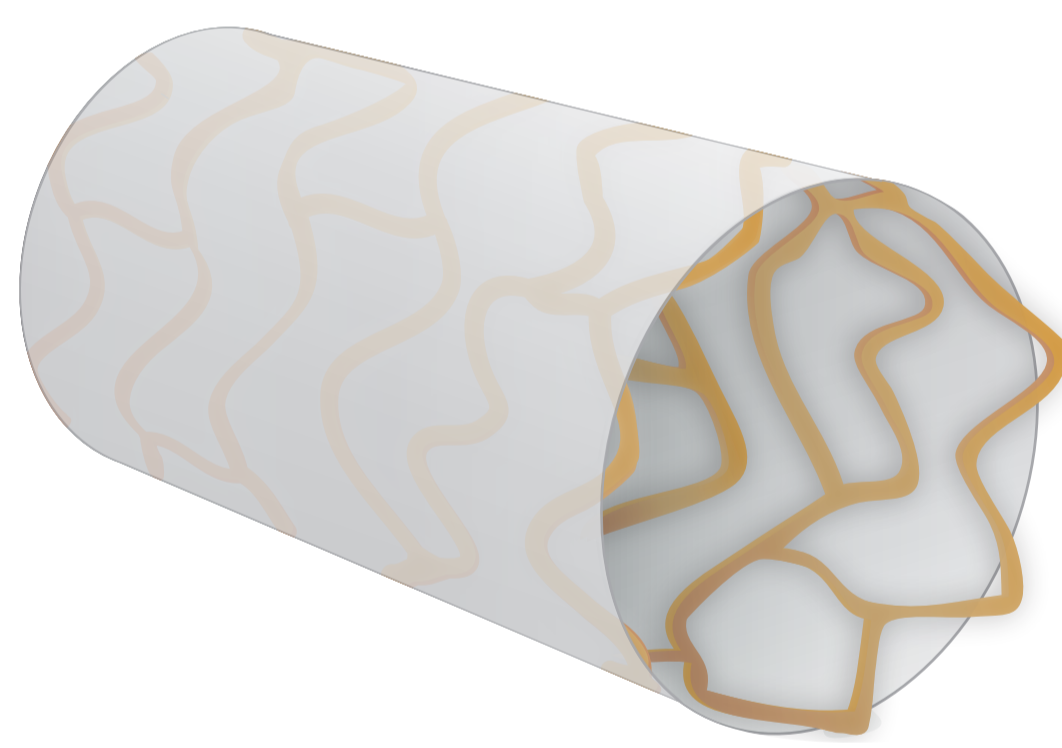


### Covered single stent design

- BIOTRONIK's ultrathin strut stent platform (Cobalt Chromium).
- Highly elastic membrane capable of sealing coronary artery perforations.<sup>6</sup>



Jostent Graftmaster  
Traditional sandwich stent design



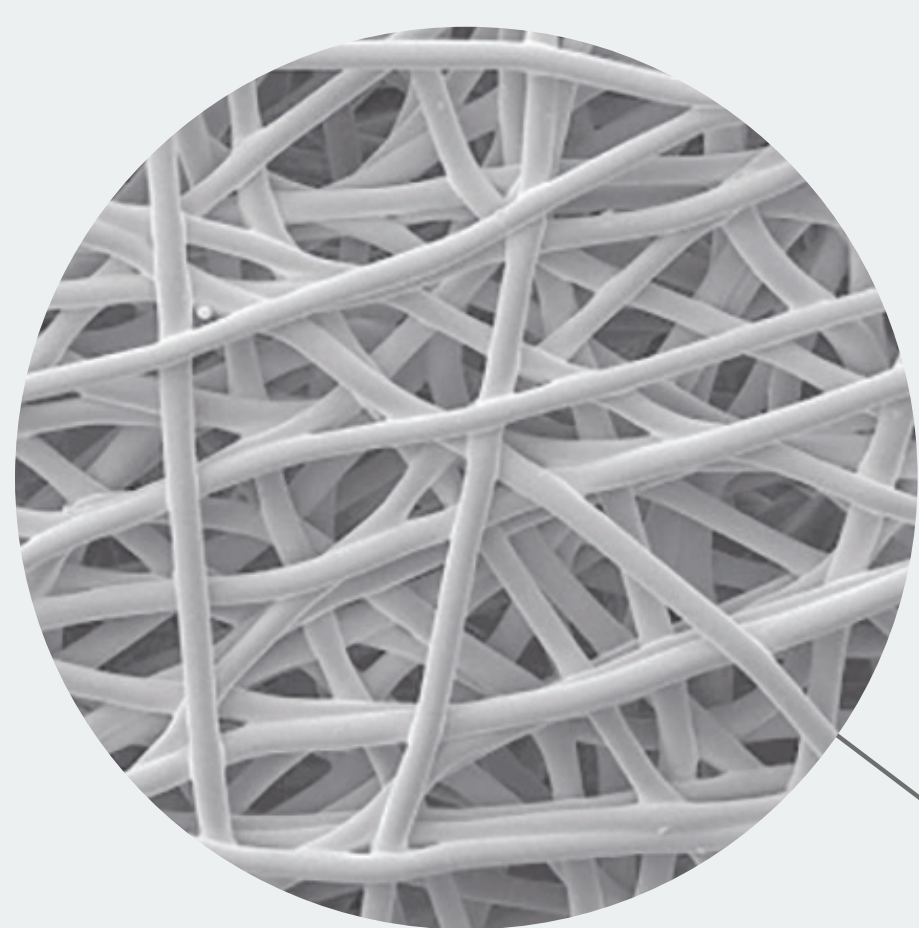
PK Papyrus  
Covered single stent design

The only  
**5F**  
compatibility\*

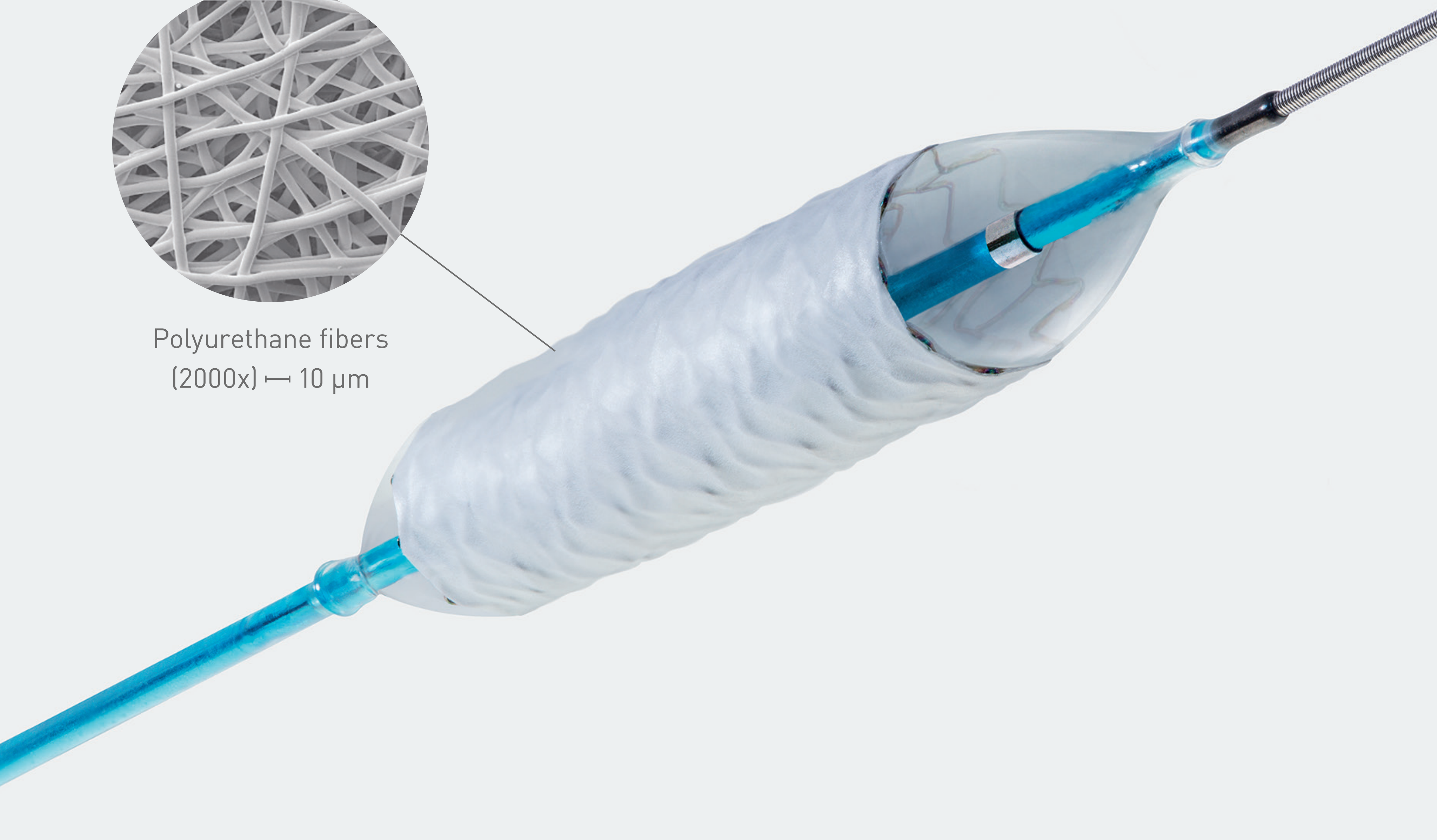
**58%**  
greater flexibility<sup>2</sup>



**47%**  
Less time to deliver<sup>6</sup>



Polyurethane fibers  
(2000x) → 10 μm



## Time to expand your options with **PK Papyrus**.

### Broadest range of sizes on the US market<sup>7</sup>

- The only 5F compatible\* coronary covered stent with the broadest range of sizes.<sup>7</sup> For main sizes – no need for guide catheter upgrade.\*
- **First** FDA approved 2.5 mm diameter.

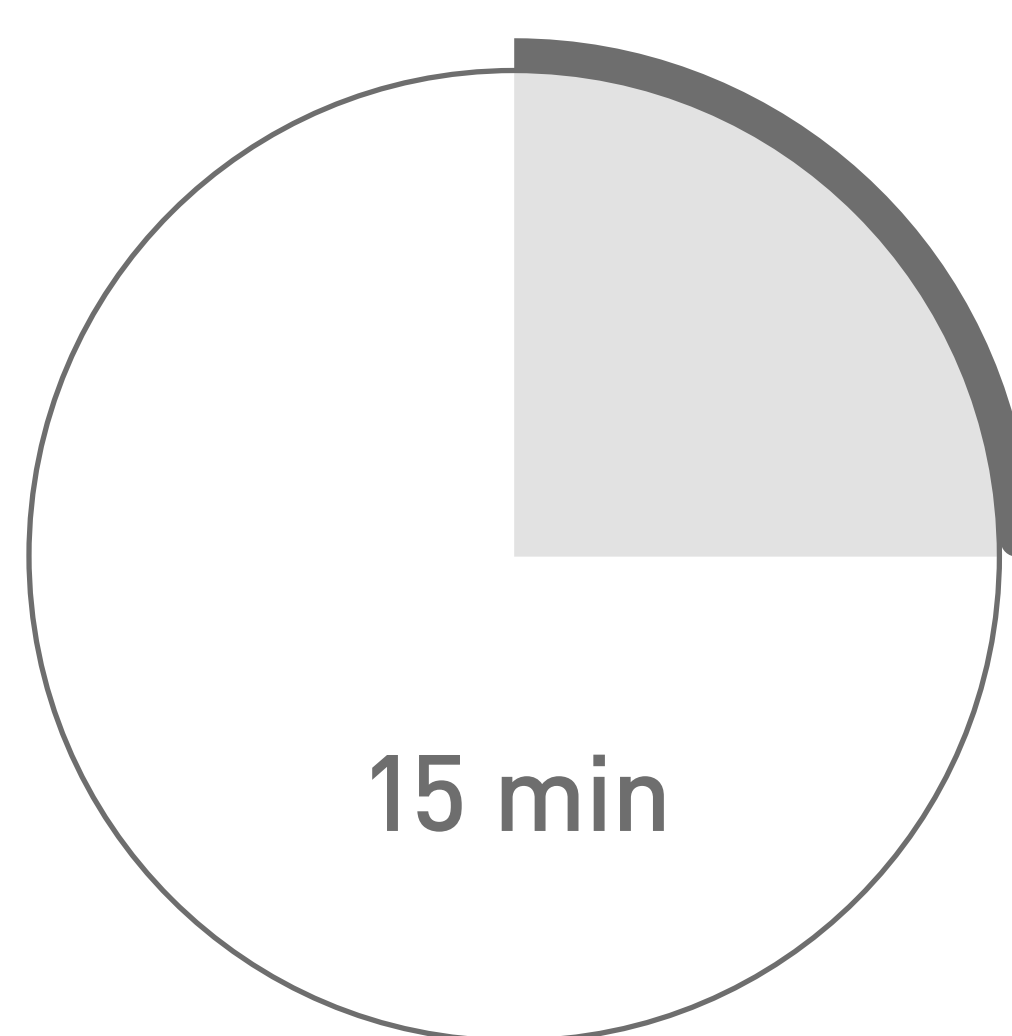
### Designed to save lives when seconds count<sup>3</sup>

### Shorter time to deliver<sup>6</sup>

Single center, retrospective investigation of 61 patients treated with covered coronary stents.<sup>8</sup>



PK Papyrus  
n = 22



Jostent Graftmaster  
n = 39

Median Time to deliver (p=0.001)

\*5F compatible for Ø2.5-4.0 mm; 6F for Ø4.5-5.0 mm.

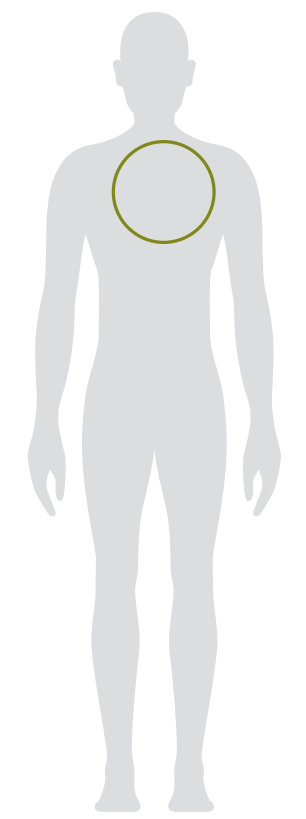




# PK Papyrus

Indicated for the treatment of acute perforations of native coronary arteries and coronary bypass grafts in vessels 2.5 to 5.0 mm in diameter\*

Vascular Intervention  
Coronary



## Technical Data

### Stent

Stent cover material	Non-woven, electrospun polyurethane
Stent material	Cobalt chromium (L-605) with <b>proBIO</b> (amorphous silicon carbide) coating
Maximum stent expansion diameter	$\varnothing$ 2.5 - 3.0 mm: 3.50 mm; $\varnothing$ 3.5 - 4.0 mm: 4.65 mm; $\varnothing$ 4.5 - 5.0 mm: 5.63 mm
<b>Delivery system</b>	
Guide wire diameter	0.014"
Usable catheter length	140 cm
Recommended guide catheter	$\varnothing$ 2.5 - 4.0 mm: 5F (min. I.D.** 0.056"); $\varnothing$ 4.5 - 5.0 mm: 6F (min. I.D.** 0.070")
Nominal pressure (NP)	$\varnothing$ 2.5 - 3.5 mm: 8 atm; $\varnothing$ 4.0 - 5.0 mm: 7 atm
Rated burst pressure (RBP)	$\varnothing$ 2.5 - 4.0 mm: 16 atm; $\varnothing$ 4.5 - 5.0 mm: 14 atm

\*\*I.D. = Inner Diameter

## Compliance Chart

### Inflation pressure Stent inner diameter (mm)

	atm	2.5	3.0	3.5	4.0	4.5	5.0
Nominal pressure (NP)	7	-	-	-	4.01	4.55	4.93
Nominal pressure (NP)	8	2.52	2.99	3.53	4.14	4.69	5.09
	9	2.59	3.07	3.63	4.26	4.82	5.23
	10	2.65	3.15	3.71	4.35	4.91	5.34
	11	2.70	3.21	3.77	4.43	4.99	5.43
	12	2.74	3.26	3.82	4.49	5.06	5.50
	13	2.77	3.30	3.86	4.54	5.11	5.56
Rated burst pressure (RBP)	14	2.80	3.34	3.90	4.59	5.16	5.61
	15	2.83	3.37	3.93	4.63	-	-
Rated burst pressure (RBP)	16	2.86	3.40	3.96	4.67	-	-

## Ordering Information

### Stent $\varnothing$ (mm) Catheter length 140 cm Stent length (mm)

		15	20	26
5F	2.5	434887	434893	-
	3.0	434888	434894	434899
	3.5	434889	434895	434900
	4.0	434890	434896	434901
6F	4.5	434891	434897	434902
	5.0	434892	434898	434903

1. Compared to Graftmaster 2.8/16 (BIOTRONIK data on file); 2. Compared to Jostent Graftmaster 3.0/16 (BIOTRONIK data on file); 3. Broad range of sizes available on the US market; 4. Data obtained from Graftmaster Coronary Stent Graft System Brochure 11/13/12; 5. PK Papyrus 3.0/15: (BIOTRONIK data on file); 6. Hernandez-Enriquez M, et al. Outcomes after use of covered stents to treat coronary artery perforations. Comparison of old and new-generation covered stents. J Interv Cardiol. 2018; 1-7; 7. Compared to Graftmaster based on the broader range of sizes available on the US market; 8. Population is representative of real world interventional practice and was not a randomized prospective clinical trial. Jostent and Graftmaster are registered trademarks of the Abbott Group of Companies.

\*Indication as per IFU.

Information on devices manufactured at companies other than BIOTRONIK was gathered from multiple sources. However, it has not been verified by the vendors and we cannot guarantee its accuracy.

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