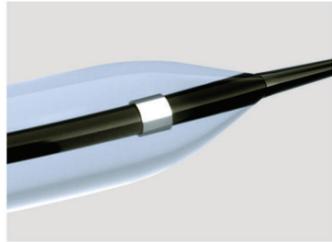




## Engineered for Uncompromised Performance in Complex Lesions



### Hightrack: Precision Post-Dilation PTCA Balloon Catheter

Hightrack is a state-of-the-art rapid exchange (RX) balloon catheter specifically engineered for the challenges of post-stent dilation and the treatment of highly calcified lesions. It is designed to provide clinicians with superior control, deliverability, and the high-pressure force needed to optimize outcomes in complex percutaneous coronary interventions (PCI).

**Indicated for discrete de novo or restenotic lesions with reference vessel diameters from 2.50 mm to 4.00 mm and lengths ≤ 30 mm.**

### Key System Attributes:

- **Exceptional Deliverability:**  
A combination of a low-profile tip, advanced shaft technology, and hydrophilic coating allows for smooth navigation through tortuous anatomy and previously stented segments.
- **Ultra-High Pressure Dilation:**  
The robust, non-compliant nylon balloon material provides the confidence to dilate resistant, calcified lesions with controlled, predictable expansion up to a Rated Burst Pressure (RBP) of 20 atm
- **Enhanced Procedural Control:**  
The unique stainless steel hypotube construction ensures outstanding torque response, pushability, and trackability, giving the operator precise control from the guide catheter to the lesion.
- **Superior Visibility:**  
Dual platinum-iridium marker bands offer excellent radiopacity for clear, unambiguous positioning under fluoroscopy.

### Advanced Engineering for Clinical Excellence

This page details the core technical features of the Catheter system & their direct clinical benefits during an angioplasty procedure.

#### 1. Lesion Crossing & System Deliverability

Feature	Technical Detail	Clinical Benefit
<b>Tapered Tip Design</b>	4 mm tapered tip length with a leading entry profile of 0.019".	Provides an atraumatic, low-profile leading edge for effortless crossing of challenging and stented lesions.
<b>Optimized Balloon Fold</b>	Tri-fold balloon technology results in a minimal crossing profile, ranging from ≤ 0.0315" to ≤ 0.036".	Ensures the smallest possible profile for navigating tight stenoses and stent struts, then re-folds uniformly for smooth withdrawal.
<b>Hydrophilic Coating</b>	Hydrophilic Coating The distal outer shaft is coated with a medical-grade hydrophilic layer.	Reduces friction against vessel walls and device lumens, enhancing catheter advancement and trackability
<b>Advanced Shaft Construction</b>	A unique stainless steel 304 hypotube transitions to a flexible distal shaft (2.6 Fr).	Facilitates a seamless transfer of force from the operator's hand, providing superior pushability and torque control for precise maneuverability through complex vasculature.



## 2. Controlled & Powerful Dilation



Feature	Technical Detail	Clinical Benefit
<b>Non-Compliant Balloon</b>	Fabricated from an ultra-high pressure, puncture-resistant nylon material (USP Class VI)	Delivers predictable, uniform dilation at high pressures (up to 20 atm RBP), ensuring full lesion expansion and optimal stent apposition in calcified and fibrotic tissue while minimizing the risk of "dog-boning".
<b>High-Pressure Capability</b>	Nominal Pressure (NP) of 12 atm and a Rated Burst Pressure (RBP) of 20 atm	Provides the necessary force to effectively fracture calcium and fully expand underexpanded stent segments, leading to improved procedural results.
<b>Optimized Inflation</b>	The 2.6 Fr distal shaft diameter is engineered for efficient lumen flow.	Facilitates rapid and uniform balloon inflation (<10 seconds) for reduced procedure time and patient discomfort.

## 3. Enhanced Visualization & Usability

Feature	Technical Detail	Clinical Benefit
<b>High-Definition Markers</b>	Dual Platinum-Iridium radiopaque marker bands are embedded at the balloon shoulders.	Offers exceptional radiopacity for clear and precise visualization under fluoroscopy, ensuring accurate balloon placement relative to the lesion and stent.
<b>Rapid Exchange System</b>	Industry-standard Rapid Exchange (RX) design with a 142 cm total working length.	Enables single-operator use, simplifies wire management, and allows for faster catheter exchanges, improving overall procedural efficiency.



## Compliance Chart

This chart illustrates the non-compliant nature of the Hightrack balloon, showing minimal diameter growth from Nominal to Rated Burst Pressure, ensuring predictable and controlled dilation

