



- A. Rapid Exchange Section Length 30cm

B. Catheter Length 155cm
- C. Two Radiopaque Balloon Markerbands

D. .014" Guidewire Lumen/Exit Port

Ordering Information

Catheter Length (cm)	Balloon Diameter (mm)	Balloon length (mm)								Guide wire (inch)
		6	8	10	12	15	20	25	30	
155	1.00	NY10006	NY10008	NY10010	NY10012	NY10015	NY10020	NY10025	NY10030	0.014
	1.25	NY12506	NY12508	NY12510	NY12512	NY12515	NY12520	NY12525	NY12530	0.014
	1.50	NY15006	NY15008	NY15010	NY15012	NY15015	NY15020	NY15025	NY15030	0.014
	1.75	NY17506	NY17508	NY17510	NY17512	NY17515	NY17520	NY17525	NY17530	0.014
	2.00	NY20006	NY20008	NY20010	NY20012	NY20015	NY20020	NY20025	NY20030	0.014
	2.25	NY22506	NY22508	NY22510	NY22512	NY22515	NY22520	NY22525	NY22530	0.014
	2.50	NY25006	NY25008	NY25010	NY25012	NY25015	NY25020	NY25025	NY25030	0.014
	2.75	NY27506	NY27508	NY27510	NY27512	NY27515	NY27520	NY27525	NY27530	0.014
	3.00	NY30006	NY30008	NY30010	NY30012	NY30015	NY30020	NY30025	NY30030	0.014
	3.25	NY32506	NY32508	NY32510	NY32512	NY32515	NY32520	NY32525	NY32530	0.014
	3.50	NY35006	NY35008	NY35010	NY35012	NY35015	NY35020	NY35025	NY35030	0.014
	4.00	NY40006	NY40008	NY40010	NY40012	NY40015	NY40020	NY40025	NY40030	0.014
	4.50	NY45006	NY45008	NY45010	NY45012	NY45015	NY45020	NY45025	NY45030	0.014
	5.00	NY50006	NY50008	NY50010	NY50012	NY50015	NY50020	NY50025	NY50030	0.014

Indications: The Knight Intracranial PTA Balloon Catheter is intended for performing balloon dilation of stenotic lesions within intracranial arteries and veins to restore or improve cerebral perfusion.

Compliance

Inflation Pressure ATM (kPa)	Balloon Diameter (mm)													
	1.00mm	1.25mm	1.50mm	1.75mm	2.00mm	2.25mm	2.50mm	2.75mm	3.00mm	3.25mm	3.50mm	4.00mm	4.50mm	5.00mm
2	0.96±0.15	1.20±0.15	1.46±0.15	1.70±0.18	1.94±0.20	2.18±0.23	2.43±0.25	2.67±0.28	2.91±0.30	3.16±0.33	3.39±0.35	3.89±0.40	4.37±0.45	4.84±0.50
3	0.98±0.15	1.23±0.15	1.48±0.15	1.73±0.18	1.97±0.20	2.21±0.23	2.47±0.25	2.71±0.28	2.95±0.30	3.21±0.33	3.42±0.35	3.95±0.40	4.43±0.45	4.92±0.50
4(NP)*	1.00±0.15	1.25±0.15	1.50±0.15	1.75±0.18	2.00±0.20	2.25±0.23	2.50±0.25	2.75±0.28	3.00±0.30	3.25±0.33	3.50±0.35	4.00±0.40	4.50±0.45	5.00±0.50
5	1.02±0.15	1.28±0.15	1.53±0.15	1.78±0.18	2.03±0.20	2.29±0.23	2.54±0.25	2.79±0.28	3.05±0.30	3.30±0.33	3.56±0.35	4.06±0.40	4.57±0.45	5.07±0.50
6	1.04±0.15	1.30±0.15	1.55±0.15	1.80±0.18	2.06±0.20	2.32±0.23	2.57±0.25	2.83±0.28	3.09±0.30	3.34±0.33	3.61±0.35	4.11±0.40	4.63±0.45	5.14±0.50
7	1.07±0.15	1.32±0.15	1.58±0.15	1.82±0.18	2.10±0.20	2.36±0.23	2.61±0.25	2.87±0.28	3.14±0.30	3.39±0.33	3.66±0.35	4.17±0.40	4.69±0.45	5.21±0.50
8	1.09±0.15	1.34±0.15	1.60±0.15	1.84±0.18	2.13±0.20	2.39±0.23	2.64±0.25	2.91±0.28	3.18±0.30	3.44±0.33	3.71±0.35	4.23±0.40	4.75±0.45	5.28±0.50
9	1.11±0.15	1.37±0.15	1.63±0.15	1.87±0.18	2.16±0.20	2.42±0.23	2.67±0.25	2.95±0.28	3.23±0.30	3.49±0.33	3.77±0.35	4.29±0.40	4.82±0.45	5.35±0.50
10	1.13±0.15	1.39±0.15	1.66±0.15	1.89±0.18	2.19±0.20	2.45±0.23	2.71±0.25	2.98±0.28	3.27±0.30	3.53±0.33	3.82±0.35	4.34±0.40	4.88±0.45	5.42±0.50
11	1.15±0.15	1.42±0.15	1.69±0.15	1.92±0.18	2.22±0.20	2.49±0.23	2.75±0.25	3.03±0.28	3.32±0.30	3.58±0.33	3.87±0.35	4.39±0.40	4.94±0.45	5.49±0.50
12 (RBP)*	1.17±0.15	1.44±0.15	1.71±0.15	1.94±0.18	2.25±0.20	2.52±0.23	2.78±0.25	3.06±0.28	3.36±0.30	3.62±0.33	3.92±0.35	4.45±0.40	5.01±0.45	5.56±0.50

*NP, Nominal Pressure
*RBP, Rated Burst Pressure

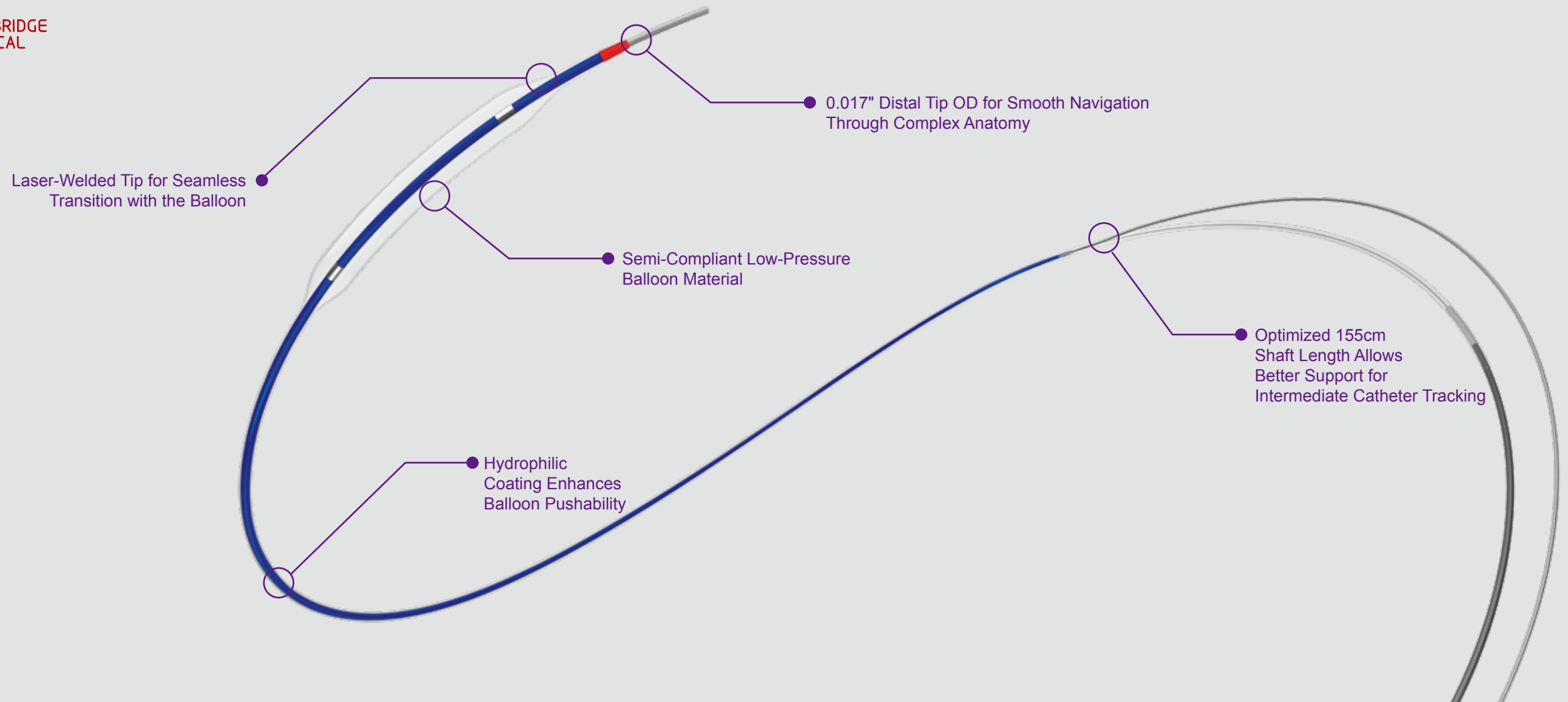
Knight Intracranial PTA Balloon Catheter is not available in markets requiring FDA clearance and CE certification.

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Indicated for Both Intracranial Arterial and Venous Stenosis

Balloon angioplasty has been explored as both a primary and preparatory approach in the treatment of venous sinus stenosis associated with idiopathic intracranial hypertension (IIH). While its long-term efficacy may be limited compared to stenting, studies have shown that it can provide short-term symptomatic relief or facilitate stent placement when used as a pre-dilation technique (Martinez-Gutierrez et al., 2023; Fields et al., 2013).



Balloon dilation of transverse-sigmoid sinus stenosis using the Knight intracranial PTA catheter

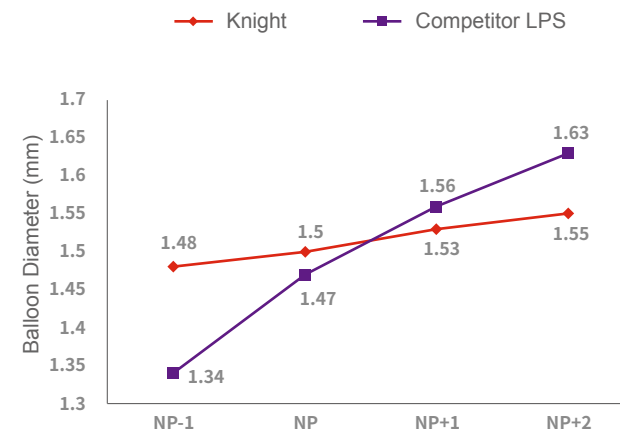
Balloon angioplasty of transverse sinus stenosis using the Knight intracranial PTA catheter

Martinez-Gutierrez et al., *Interv Neuroradiol*, 2023 Martinez-Gutierrez JC, Rodeghiero C, Laquillo Sala G, et al. Primary balloon angioplasty of venous sinus stenosis in idiopathic intracranial hypertension. *Interv Neuroradiol*. 2023;29(1):32-39.
Fields et al., *J Neurointerv Surg*, 2013 Fields JD, Jabbour P, Hurst R, et al. Dural venous sinus angioplasty and stenting for the treatment of idiopathic intracranial hypertension. *J Neurointerv Surg*. 2013;5(1):62-68.

Minimized Diameter Variation under Inflation Pressure

Improved expansion safety reduces risk of vessel injury

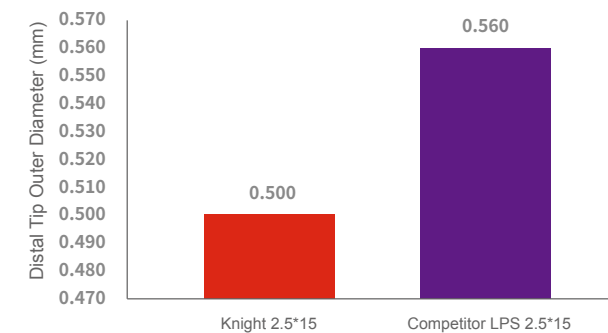
1.5mm diameter intracranial balloon inflation diameter variation



Reduced Distal Tip Profile

Laser-welded 0.017" distal tip enables excellent balloon crossability

- Low entry profile enables smooth passage through challenging anatomies
- Seamless tip-to-balloon transition enhances deliverability



Excellent Rewrap Capability

- Efficient deflation ensures safer device retrieval
- Smooth, rapid pressure release shortens procedure time

