


1 to 1 Torque Hypotube



Asahi's Hypotube incorporates two core technologies – wire drawing and torque transmission augmentation. Ideal for a medical application that requires excellent compression resistance, kink resistance, shape recovery characteristics, and remarkable 1 to 1 torque characteristics.

Typical applications are endoscopic fine-needle aspiration (FNA) and other minimally invasive devices used in diagnostic and therapeutic interventions.

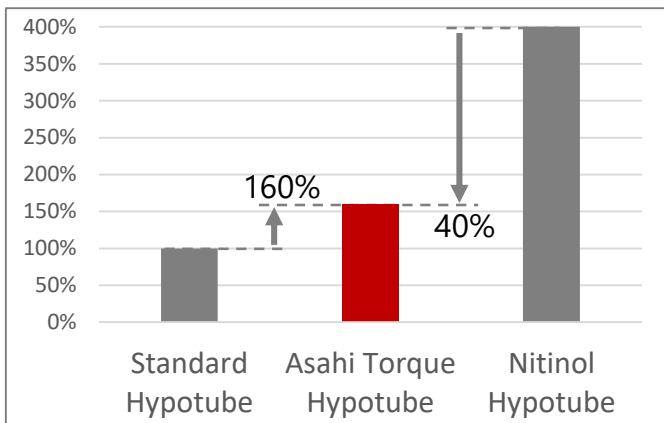
Specifications

Type		1to1 Torque response	Push/Pull	Flexibility	OD	ID	Length
Torque Hypotube		5	5	1	0.20-0.50 mm (Trial : 0.20-1.10)	0.10-0.40 mm (Trial : 0.10-0.70)	up to 3500mm

Legend 5 = Highest applicability
1 = Lowest applicability

Comparison of mechanical property

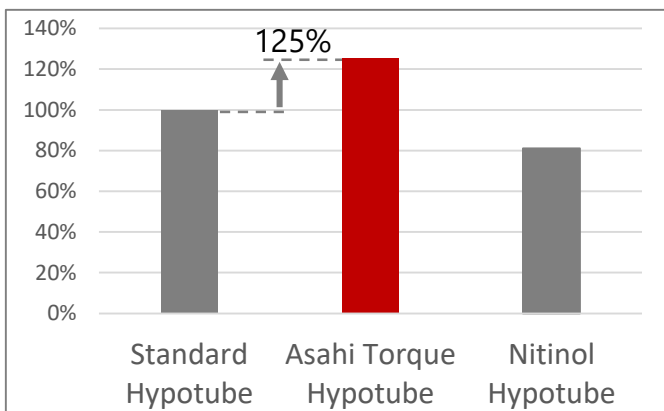
1. Shape recovery characteristics



Asahi's Torque Hypotube is superior to the standard one and less expensive than Nitinol. Also, it's not complicated to weld to other stainless material, makes it easy to design a catheter system combining different properties of stainless tubing.

*Relative percentage difference of maximum curvature without bending tendency, using same size as each one.

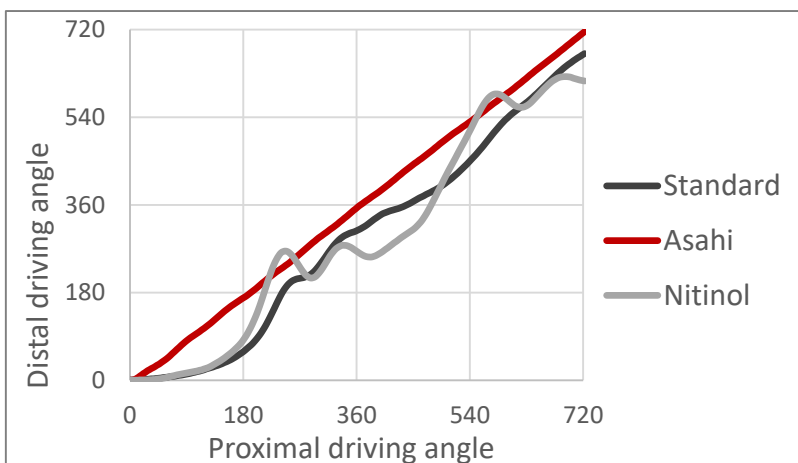
2. Hoop strength



Asahi's wire drawing technologies make it superior to others. Kink resistance is also better as well as Hoop strength.

*Relative percentage difference of strength, using same size as each one.

3. Torque response



Excellent torsional rotation capabilities with Asahi's proprietary torque technologies to realize advanced operability.

*Measurement in 2 loops torsion (R=50mm)