

# Futhrough™

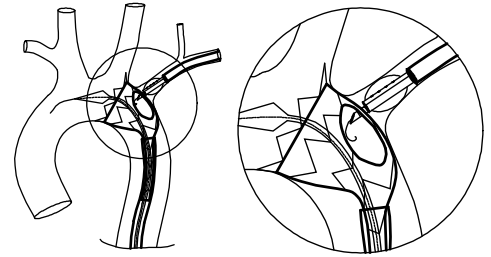
ENDOVASCULAR NEEDLE SYSTEM



BRANCH BAILOUT QUICKLY AND PRECISELY

THE FIRST EMERGENCY MECHANICAL IN SITU  
FENESTRATION DEVICE IN THE WORLD

## Futhrough™ Bailout Puncture Needle For Emergency Fenestration



### Function

When a stent graft covers a branch of the aortic arch, blood flow is impeded due to impeded hemodynamics. This device can ensure smooth blood flow in branch vessels by introducing precise in situ fenestration to the stent graft

### Feature

#### Unique positioning system

- The balloon catheter allows precise positioning of the needle

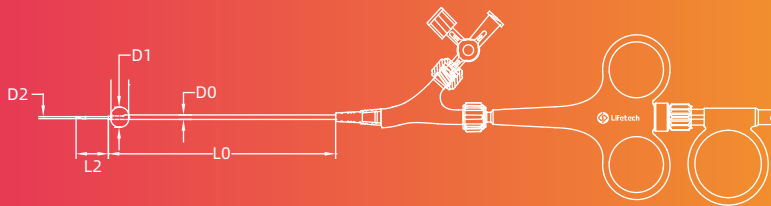
#### Quick puncture to fenestration

- Three-level penetration depth designing for quick fenestration

#### Easy to use

- 20G puncture needle is convenient for 0.018"guide wire to go through and PTA balloon can be used for rapid dilation

### Structure



### Anchor Balloon + Puncture Needle + Handle

Code	Needle size	L0 Length (mm)	D0 Catheter Profile (Fr)	Suit Catheter (Fr)	I.D wire (inch)	3 segment L2 (mm)
LT-FIS-20G8F035B	20G	350	6	8	0.018	12,17,22
LT-FIS-20G8F045B	20G	450	6	8	0.018	12,17,22
LT-FIS-20G8F060B	20G	600	6	8	0.018	12,17,22
LT-FIS-20G8F080B	20G	800	6	8	0.018	12,17,22
LT-FIS-20G8F100B	20G	1000	6	8	0.018	12,17,22

### Balloon inflation diameter D1 list

Inflation Volume (ml)	0.5	1.0	1.5 (max)
Balloon Diameter (mm) ±1	9.5	11.5	13
Vascular Diameter (mm)	7~9	9~11	11~12