



TUNNELLER

A new flexibility in shunt surgery
You define the path

TUNNELLER

Catheter Tunnelling Instrument

- Tunnelling instrument in eight variants for individual surgical requirements
- Handle customizable to personal preference
- Each tunneller has a blunt and a sharp tip, which makes it adaptable to the tissue at hand
- Designed for easy and fast (direct) catheter placement
- Bi-directional approach possible: paraumbilical → retroauricular
retroauricular → paraumbilical

Handle

- 2 options:
longitudinal and lateral alignment
- No unintentional loosening due to lock mechanism
- Feedback at correct adjustment
- Ergonomic design

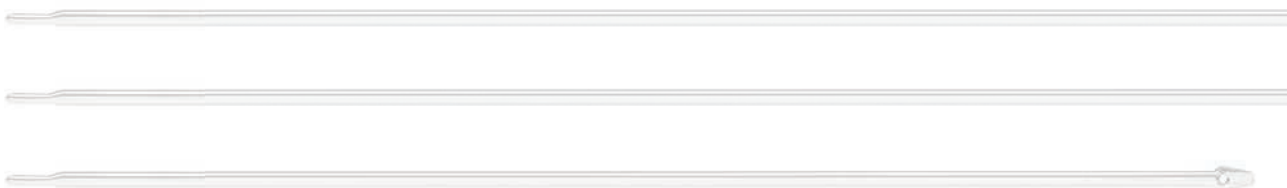
Handling Options



Step 1 – Longitudinal alignment

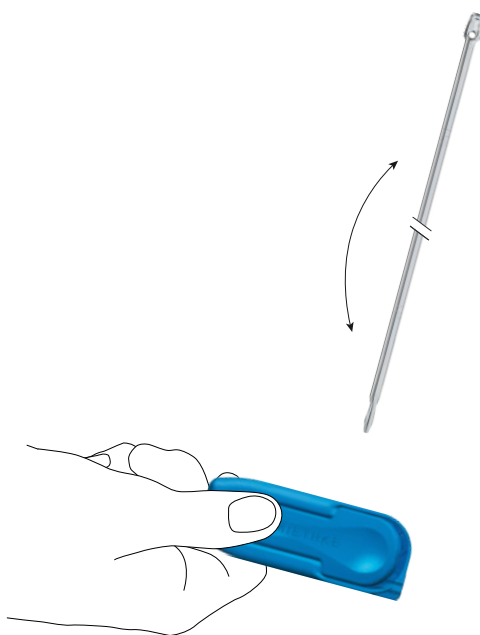


Size 1:2

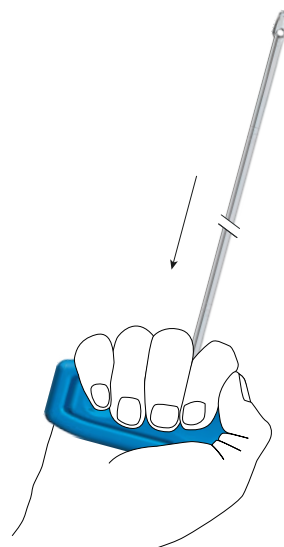




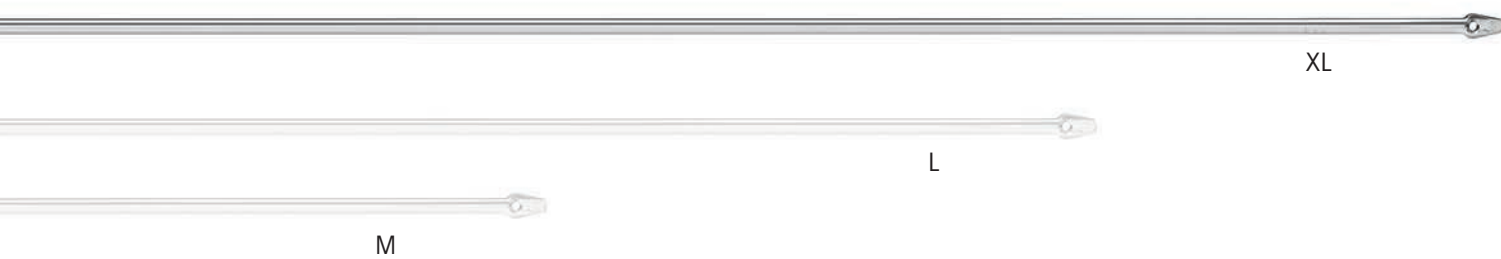
Step 2 – Press lever and remove shaft



Step 3 – Choose appropriate tip design and handle alignment (here lateral)



Step 4 – Close upper handle part to lock shaft

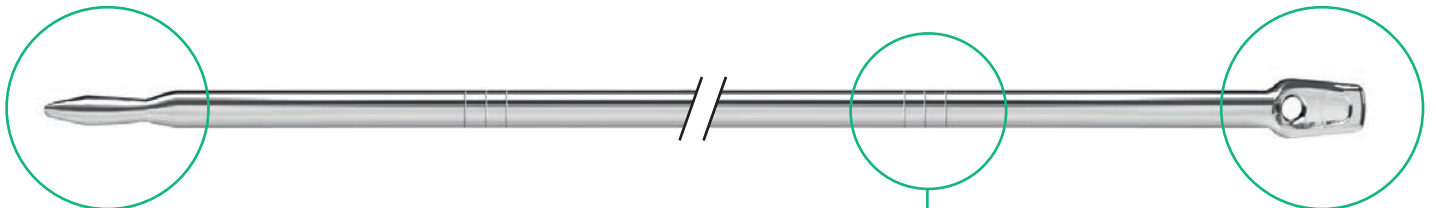
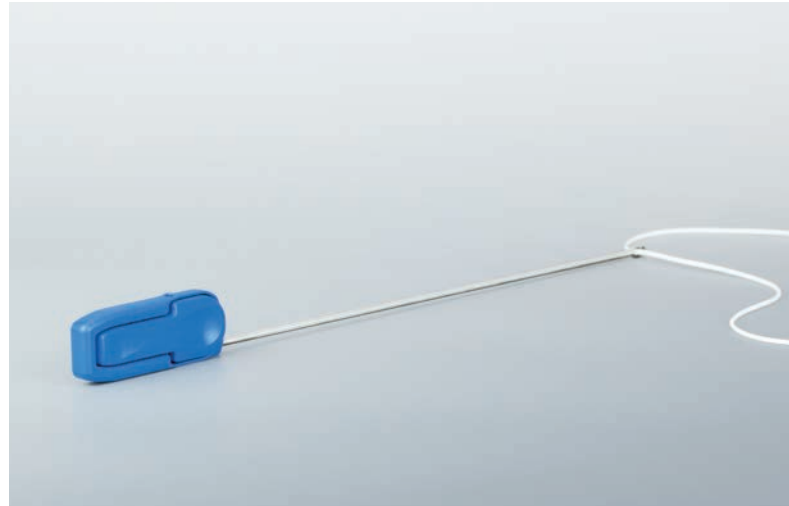


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Catheter Tunnelling Instrument

Tunnelling Shaft

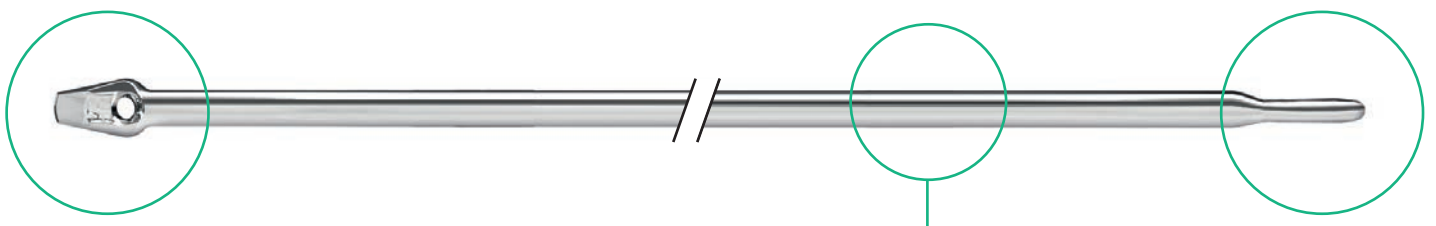
- 2 options: standard and rigid
- Sharp and blunt tip
- Shaft tip can be selected intraoperatively
- Shaft easily shapable
- Solid material without buckling behaviour
- Single piece rod design - no random components
- Opening for catheter insertion for direct loading
- Flattened tip design for controlled advancement
- 4 lengths: 300, 450, 600, 700 mm



Sharp Tip:
designed for solid tissue/fascia

Standard version with
ring marking

Blunt Tip:
designed for soft tissue



Rigid version without
ring marking

Variations

4 lengths available in
standard or rigid version

- S - 300 mm
- M - 450 mm
- L - 600 mm
- XL - 700 mm



Standard version
(with ring marking)

300 mm

450 mm

600 mm

700 mm

FX005SU

FX006SU

FX007SU

FX008SU



Rigid version
(no ring marking)

FX001SU

FX002SU

FX003SU

FX004SU

S



300 mm

M



450 mm

L



600 mm

XL



700 mm

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