

TUNNELLER

VARIATIONS

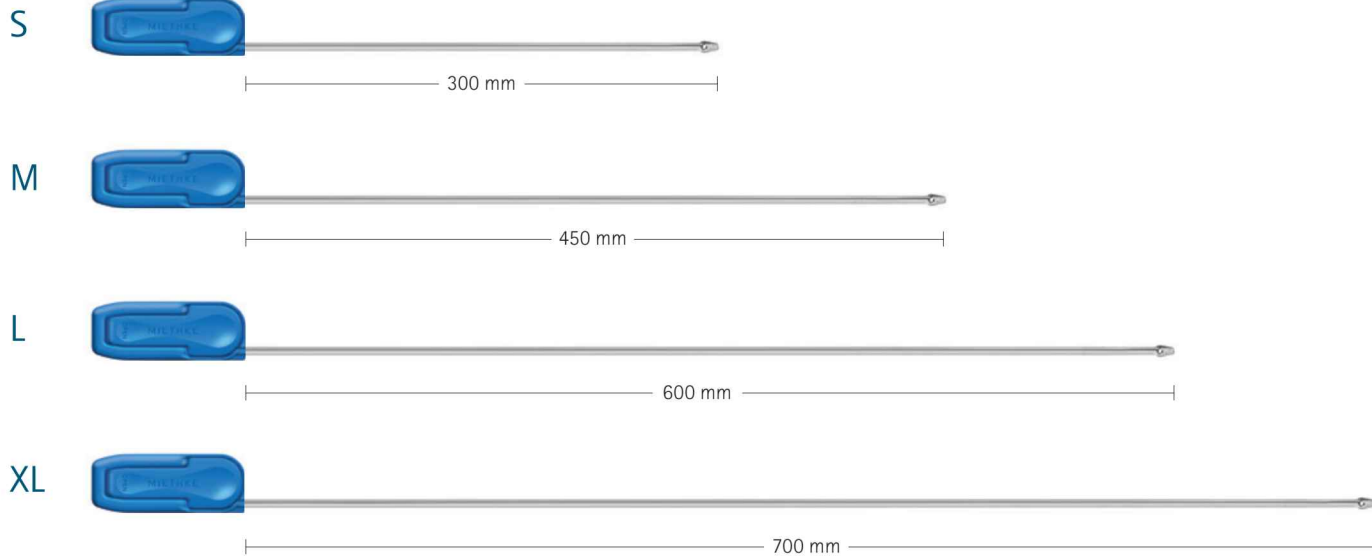
4 lengths available in  
standard or rigid version

S - 300 mm

M - 450 mm

L - 600 mm

XL - 700 mm



21 pirkimo dalis

	300 mm	450 mm	600 mm	700 mm
 STANDARD VERSION (with ring marking)	FX005SU	FX006SU	FX007SU	FX008SU
 RIGID VERSION (no ring marking)	FX001SU	FX002SU	FX003SU	FX004SU

Distributed by  
Aesculap AG | Am Aesculap-Platz | 78532 Tuttlingen | Germany  
Phone +49 7461 95-0 | Fax +49 7461 95-2600 | [www.aesculap.com](http://www.aesculap.com)

AESCULAP® – a B. Braun brand

Manufacturer acc. to MDD 93/42/EEC  
Christoph Miethke GmbH & Co. KG | Ulanenweg 2 | 14469 Potsdam | Germany  
Phone +49 331 62083-0 | Fax +49 331 62083-40 | [www.miethke.com](http://www.miethke.com)

CE 0297

The product trademarks "Miethke" is a registered trademark of Miethke GmbH & Co. KG.  
The main product trademark "Aesculap" is a registered trademark of Aesculap AG.

Subject to technical changes. All rights reserved. This brochure may only be used for the exclusive purpose of obtaining  
information about our products. Reproduction in any form partial or otherwise is not permitted.



NEUROSURGERY

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

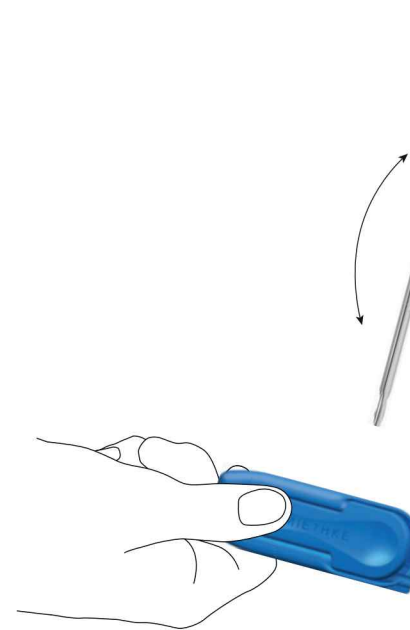
### HANDLING OPTIONS



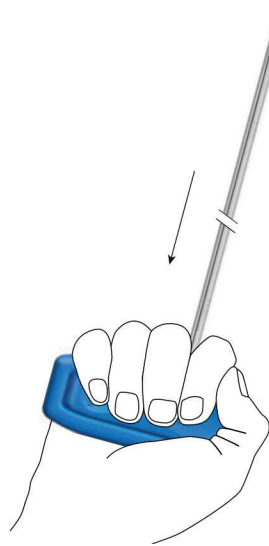
Step 1 – Longitudinal alignment



Step 2 – Press lever and remove shaft



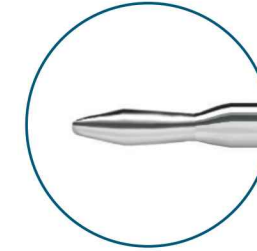
Step 3 – Choose appropriate tip design and handle alignment (here lateral)



Step 4 – Close upper handle part to lock shaft

### 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



BLUNT TIP: designed for soft tissue

Standard version with ring marking



Rigid version without ring marking



Original size 1:1



S

M

L

XL