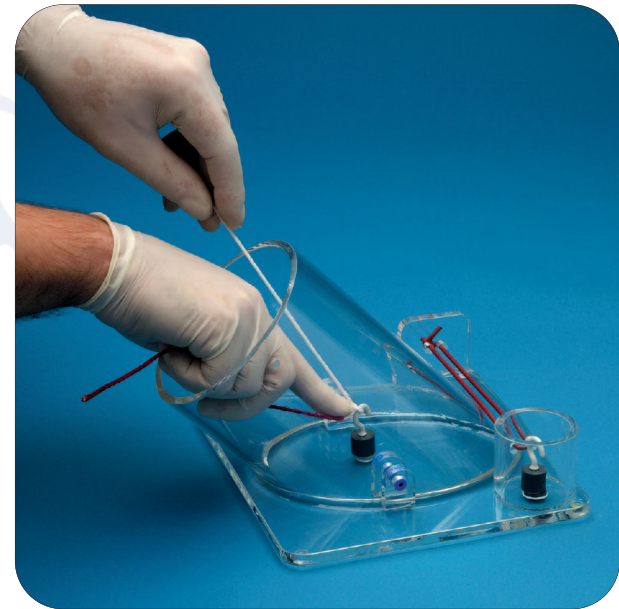


Knot Tying Trainer User Guide



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Knot Tying Trainer

Part No: **50050**

A comprehensive trainer for teaching all surgical knot tying techniques, including those specified in the GB and Ireland Intercollegiate Basic Surgical Skills Course. Developed in collaboration with Mr. Jonathan Beard, Northern General Hospital, Sheffield, UK and Mr. John Rochester, Rotherham General Hospital, UK.

Skills

- One-handed reef knot technique
- Instrument tie
- Surgeon's knot
- Slip knot
- Tying in a small opening
- Tying at depth vertically in a large opening
- Tying at depth, at an angle, in a large opening

Features

- Unique magnetic system to represent tissue strength
- 2 perioperative openings represented by:
 - small, shallow fixed cylinder for tying in a small opening
 - large, deep removable cylinder, reversible for angled abdominal and gynaecological depth tying
- Cylinders are transparent to allow the trainer to observe and assess trainee competence
- Parallel knotting tubes are elastic for a realistic tissue response
- Light and compact

Package supplied

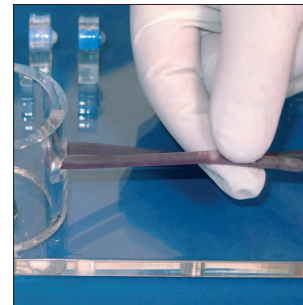
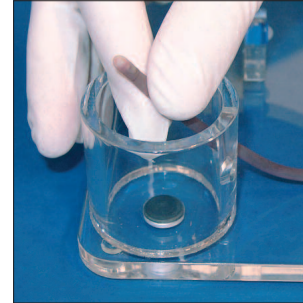
- 1 **Two Coloured Cord (Pack of 3)** Part No: **50164**
- 1 **Knotting Tube (Pack of 3)** Part No: **50158**
- 1 base
- 1 small removable cylinder
- 1 large removable angled cylinder
- 1 knot tying tension hooks (Set of 3)

Health & Safety

- The Knotting Tubes contain latex; persons allergic to latex should wear latex free surgical gloves when using this product.

Attaching the Knotting Tubes

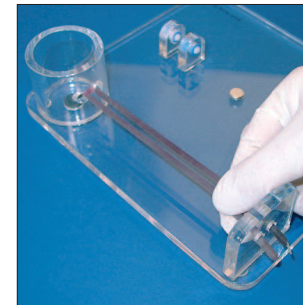
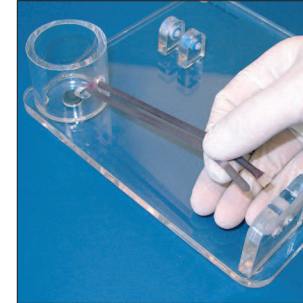
1



Thread the rounded end of the Knotting Tube through one of the holes in the small fixed cylinder.

Thread the end out through the other hole.

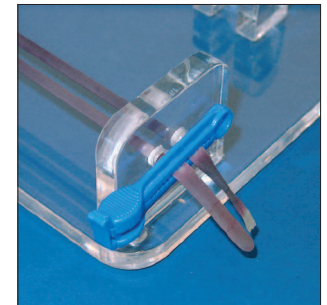
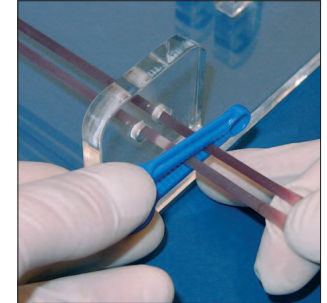
2



Ensure that both halves of the Knotting Tube are of equal length. Adjust accordingly.

Using one hand, grip the Knotting Tube approximately two thirds of the way down its length. Now thread the ends through the 2 holes in the retaining plate. Keep a firm grip on the Knotting Tube at all times.

3

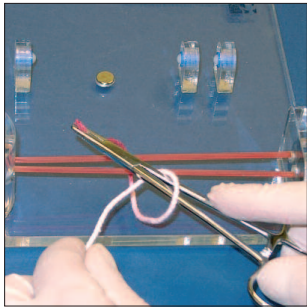
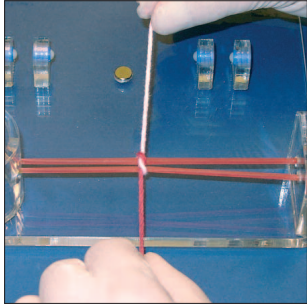


Using your other hand, pull the ends of the Knotting Tube through and past the retaining plate by approximately 5cm.

Secure the ends in place using the blue clip.

Using the Trainer - examples

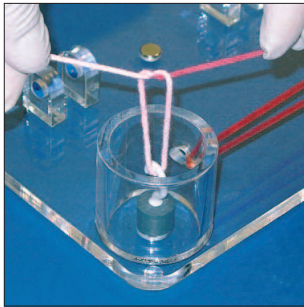
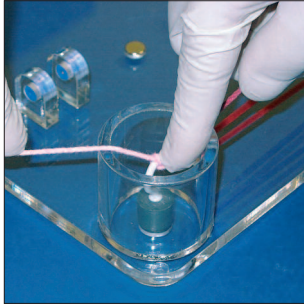
1



Hand tie and instrument tie jig.

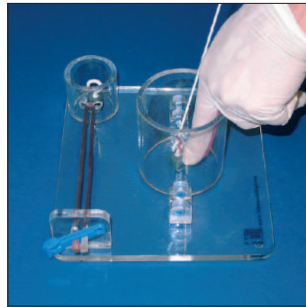
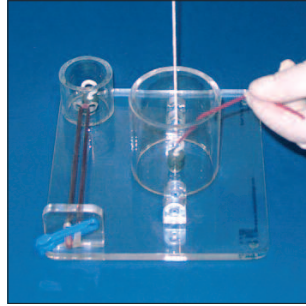
Dependent upon the technique being taught, the Two Coloured Cord can be cut to the appropriate length (eg one third red to two thirds white).

2



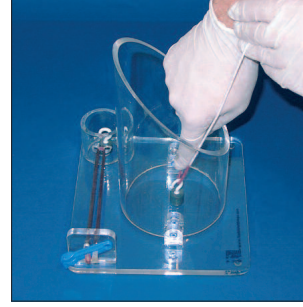
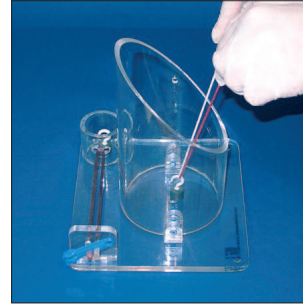
Tying at depth:
finger tie

3



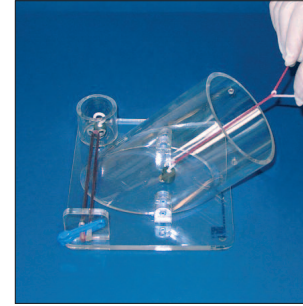
Tying at depth:
finger tie

4



Tying at depth:
large aperture (abdominal)

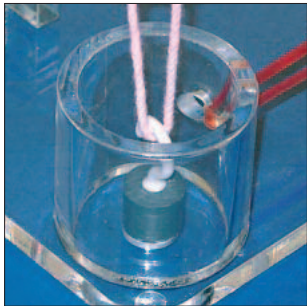
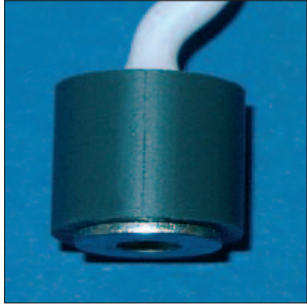
5



Tying at depth:
large aperture (pelvic)

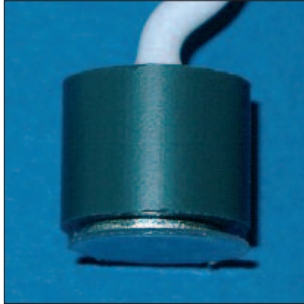
Tension Hooks

A



This Tension Hook (without plastic disc on the underside) is to be used in the small fixed cylinder.

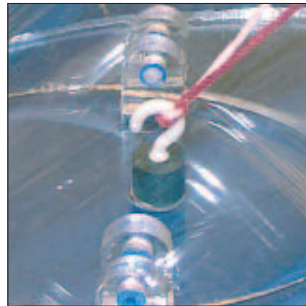
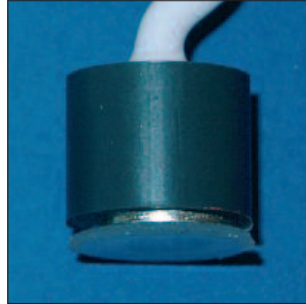
B



This Tension Hook (with thin plastic disc on the underside) can be used in the centre of either of the removable cylinders.

The thin plastic disc on the base reduces the amount of force required to pull the tension hook free of the magnet.

C

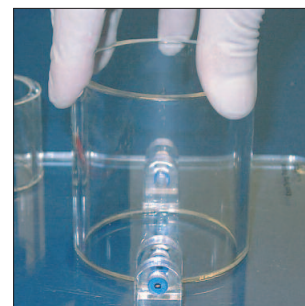
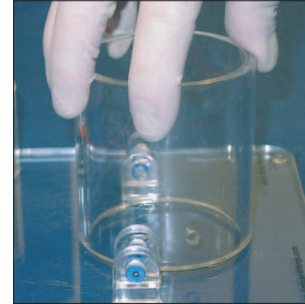


This Tension Hook (with thick plastic disc on the underside) can be used in the centre of either of the removable cylinders.

The thick plastic disc on the base further reduces the amount of force required to pull the tension hook free of the magnet.

This represents more delicate tissue which is easily damaged through the use of excessive force during a procedure.

Removable cylinders



Engage one side of the cylinder into a blue and white spring retainer and then rotate the cylinder until the hole in the other side clicks into position.

This method applies to both of the supplied cylinders.

Cleaning

The Knot Tying Trainer should be cleaned with a glass cleaner spray applied using a soft cloth. Polish the surface clean with a soft dry cloth.