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 Professor 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 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) 50164
- 1 Knotting Tube (Pack of 3) 50158
- 1 base with cylinders
- 1 knot tying tension hooks (Set of 3)

Packaged weight (kg) & dimensions (mm): 1.15 kg 300 l 240 w 160 h
**BSS Day 1 Kit (5th Ed)**

**Part No:** 50070

**Skills**
- Knot-tying: one-handed reef knot, instrument tie, surgeon’s knot, tying at depth
- Suturing techniques: holding/manipulation of needles, interrupted, simple & mattress, continuous, subcuticular
- Skin lesions & LA techniques: excising a skin lesion, excising a sebaceous cyst
- Haemostasis: clip tie, continuity tie, pedicle transfixion
- Tissue handling - bowel: end-to-end interrupted sutures
- Fine tissue handling: tendon repair

**Package supplied**
- 1 BSS Knot Tying Trainer
- 1 BSS Surgical Skills Board
- 1 Skin Pad Jig with Skin Pad
- 1 BSS Soft Tissue Retaining Set
- 1 Haemostasis Pad
- 1 BSS Tendon Repair Trainer
- 1 Bowel
- 1 BSS Lesion & Cyst

Packed weight (kg) & dimensions (mm) 2.2 kg 340 l 240 w 160 h

---

**BSS Day 2 Kit (5th Ed)**

**Part No:** 50071

**Skills**
- Abdominal closure & drain insertion: open abdominal wall, insert drain & secure, close abdominal wall with Aberdeen knot
- Fine tissue handling: vein patch exercise
- Wound management: abscess exercise, traumatic wound debridement

**Package supplied**
- 1 BSS AOCT Pad, Frame & Balloons
- 1 Drain
- 1 BSS Abscess
- 1 8mm x 140mm Artery
- 1 8mm x 76mm Graft Patch
- 1 BSS Traumatic Wound with simulated foreign bodies

Packed weight (kg) & dimensions (mm) 2.2 kg 340 l 240 w 160 h

---

**BSS Day 1 Refill Pack (5th Ed)**

**Part No:** 50072

1 Skin Pad
1 Bowel
1 Haemostasis Pad
1 BSS Lesion & Cyst
1 Tendon

Packed weight (g) & dimensions (mm) 380 g 240 l 240 w 160 h

---

**BSS Day 2 Refill Pack (5th Ed)**

**Part No:** 50073

1 AOCT Pad with Drain
1 BSS Abscess
1 BSS Traumatic Wound
1 Artery with Graft Patch

Packed weight (kg) & dimensions (mm) 1.6 kg 340 l 240 w 160 h
The products on the previous 2 pages have been designed specifically for the revised Royal College of Surgeons Intercollegiate Basic Surgical Skills Course.

New BSS products have been produced to tie in with the release of the BSS 5th Course Edition on 1st November 2012.

---

**BSS Lesion & Cyst**  
Part No: **50074**  
For the practice of skin lesion removal, local anaesthesia, biopsy techniques.  
**Skills**  
- Excising a skin lesion  
- Excising a sebaceous cyst  
**Features**  
- Cyst has a fragile epidermoid wall filled with simulated pus  
- Visit the product web page for more features  
**Package supplied**  
- 1 BSS Lesion & Cyst  

Packed weight (g) & dimensions (mm)  

<table>
<thead>
<tr>
<th>Packed weight (kg) &amp; dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 kg 190 l 120 w 70 h</td>
</tr>
</tbody>
</table>

---

**BSS Abscess**  
Part No: **50075**  
For the practice of abscess drainage and necrotic wound debridement.  
**Skills**  
- Abscess drainage  
- Necrotic wound debridement  
**Features**  
- Abscess contains simulated pus (see inset)  
- Visit the product web page for more features  
**Package supplied**  
- 1 BSS Abscess  

Packed weight (g) & dimensions (mm)  

<table>
<thead>
<tr>
<th>Packed weight (kg) &amp; dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 kg 190 l 120 w 70 h</td>
</tr>
</tbody>
</table>

---

**BSS Traumatic Wound**  
Part No: **50047**  
Included as part of the BSS Day 2 Kit Part No: **50053**.  
**Skills**  
- Wound management  
- Traumatic wound debridement  
**Features**  
- Realistic soft tissue with skin, fat and muscle layers  
- Wound contains:  
  - broken bone with splinters, tendon and fluid filled vein  
  - necrotic tissue and simulated foreign bodies (glass and dirt)  
- Supplied in handy, compact clam pack with lid which can be used to retain excised tissue and removed foreign bodies  
**Package supplied**  
- 1 BSS Traumatic Wound  
- 1 bag of simulated foreign bodies  

Packed weight (g) & dimensions (mm)  

<table>
<thead>
<tr>
<th>Packed weight (kg) &amp; dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.6 kg 260 l 370 w 80 h</td>
</tr>
</tbody>
</table>

---

**BSS Surgical Skills Board**  
Part No: **50051**  
Used with the BSS Day 1 Refill Pack products and all Limbs & Things skin pads.  
**Skills**  
- Pertinent to the synthetic soft tissue product used  
**Features**  
- Non-slip heavyweight base  
- Smooth top surface allows for secure fixing of soft tissue products using supplied Soft Tissue Retaining Set  
- Large board size: 24cm x 31cm  
- Wipe clean surface  
**Package supplied**  
- 1 BSS Soft Tissue Retaining Set 50054  
- 2 retaining clips with sucker feet  
- 4 retaining clips with attachment loops  
- 1 Skin Pad Jig  
- 1 base  

Packed weight (kg) & dimensions (mm)  

<table>
<thead>
<tr>
<th>Packed weight (kg) &amp; dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 kg 255 l 350 w 50 h</td>
</tr>
</tbody>
</table>
Double Layer Bowel
Realistic two layer bowel simulation for training in anastomosis techniques.

Skills
- Tissue handling
- Single layer extra mucosal suture
- Continuous suturing technique
- End-to-end extra mucosal anastomosis (main image)
- End-to-side anastomosis
- Stapling

Features
- Latex free
- Two layers
- Realistic tissue response
- Non-biological material: no hygiene issues or problems
- Mobile when held in Soft Tissue Retaining Set (page 69)
- Will withstand a fluid flush test to demonstrate integrity of the anastomosis
- Dimensions:
  - outside diameter: 20mm or 30mm
  - length: 200mm (approx.)

Double Layer Bowel 30mm OD
Part No: 50061

Double Layer Bowel 20mm OD
Part No: 50065

Both products:

<table>
<thead>
<tr>
<th>Packed weight (g) &amp; dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
</tr>
</tbody>
</table>

Professional Abdominal Opening & Closure Trainer (AOCT)

Part No: 60430

An advanced abdominal wall pad incorporating epidermis, dermis, fat & linea alba. This pad, with separate peritoneal layer, is mounted on a base for teaching all surgical access and closure techniques to the abdomen.

Skills
In addition to those of the Standard AOCT:
- Incisions: linear, ellipse, flaps, shaped
- Subcuticular undermining
- Simple and advanced interrupted suturing techniques
- Subcuticular suturing
- Continuous suturing
- Stapling
- Use of adhesive strips

Features
In addition to those of the Standard AOCT:
- 5 layered system represents the abdominal wall anatomy: epidermis, dermis, fat, linea alba, peritoneum

Package supplied Part No
- 1 Professional AOCT Pad 60431
  (includes 2 peritoneums & 5 balloons)
- 1 AOCT base

<table>
<thead>
<tr>
<th>Packed weight (kg) &amp; dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.4</td>
</tr>
</tbody>
</table>

www.limbsandthings.com