



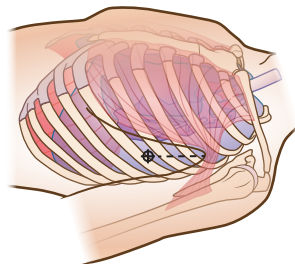
(REF) PN: 10-0051 • NSN: (Pending)  
10ga X 3.75 in. • Patent Pending



### Fig. B Lateral Approach

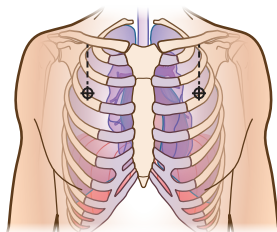
5th Intercostal space on anterior axillary line (left lateral illustrated)

OR

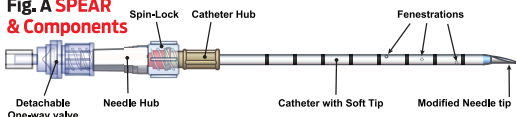


### Fig. C Anterior Approach

2nd intercostal space, mid clavicular line



### Fig. A SPEAR & Components



**NORTH AMERICAN RESCUE®**  
www.NARescue.com • 888.689.6277  
35 Tedwall Ct. • Greer, SC 29650 • USA

### Warranty:

The contents contained herein constitute a medical device, the use of which requires specific education and training. North American Rescue, LLC, warrants this product as merchantable expressly for the indication detailed. North American Rescue disclaims all other implied warranties relating to this product, to include use beyond this product's identified purpose, and utilization by untrained personnel or legally unauthorized parties.

**Caution:** Federal Law restricts this device to sale by, or on the order of, a licensed physician.

**Key Word:** Tension Pneumothorax Definition: A known life threatening medical emergency which, if left untreated, may result in death

### Indication:

- For relief of tension pneumothorax in the adult patient

### Contraindications:

- Not intended for treatment of simple pneumothorax or hemothorax
- Efficacy of this device not established in pediatric patients or pregnant women

**Warning:** Failure to utilize this device properly may result in injury to cardiac, pulmonary, or vascular structures.

### Potential adverse complications:

- Death secondary to cardiac penetration
- Lung injury
- Vascular injury
- Nerve damage (pain, numbness, or paralysis of intercostal muscle)
- Infection

### Directions for Use

- 1. Select Site:** See Fig. B lateral approach OR Fig. C anterior approach
- 2. Cleanse site** with antimicrobial solution
- 3. Remove red cap from case** with twisting motion (exposing proximal end of needle set)
- 4. Remove SPEAR®** from case (by grasping and gently pulling proximal end of SPEAR®)
- 5. Insert SPEAR®** through skin targeting selected rib (below level of intended insertion site). Place needle tip against exterior rib and confirm position. Direct SPEAR® superiorly over rib and into thoracic cavity - while ensuring perpendicular positioning in relation to thoracic cavity. Penetrate thoracic cavity (extending SPEAR® approximately 3 cm beyond exterior of targeted rib). Direct needle tip toward middle of clavicle (tension may release at this point)
- 6. Release catheter from needle** by disconnecting Spin Lock (1/4 turn)
- 7. Advance catheter toward middle of clavicle** using needle as stationary guide
- 8. Remove needle** only when catheter has been fully inserted (tension may release at this point)
- 9.** If indicated, **attach one-way valve** to catheter (supplied at proximal end of needle)
- 10. Secure catheter** (as directed by organizational protocol)
- 11. Monitor patient**

**Following procedure,** continually assess patient for complications:

- Hemodynamic instability
- Respiratory distress
- Unilateral chest expansion
- Decreased oxygen saturation
- Bleeding
- Catheter occlusion
- Hematoma