

JUNCTIONAL EMERGENCY TREATMENT TOOL



*The comprehensive, point-of-wounding solution optimized for saving lives from*  
**JUNCTIONAL HEMORRHAGE**



**NORTH AMERICAN RESCUE**  
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# JUNCTIONAL HEMORRHAGE

*The new leading cause of preventable combat death*

The successful and aggressive use of tourniquets on the battlefield and the absence of optimized tools to address inguinal injury has recently shifted the focus of the #1 cause of preventable combat death from extremity bleeding to junctional hemorrhaging. Recent data indicates that **high extremity wounds in the thigh/groin** accounts for up to **20% of preventable combat deaths** on the modern battlefield. Over the past two years the military has been working in conjunction with the medical device industry to develop mechanical and pneumatic devices that provide new treatment options for this kind of injury. While these efforts have been promising, the recent rise in bilateral amputations from IED blasts in theatre imposes even greater demands on point of wounding care. North American Rescue, in partnership with the University of Texas, has accepted this challenge by conducting research into the the best methods to address junctional hemorrhage. The result is the **JETT™ - a comprehensive and tactically suitable solution** to fill the gaps in first line casualty care and effectively mitigate the new leading cause of preventable death on the battlefield.

*Recent battlefield data identifies a significant increase in IED injuries resulting in multiple limb amputations. This new "Signature Wound" - two legs blown off at the knee or higher, accompanied by damage to the groin and pelvic region - requires treatment beyond the capabilities of the traditional tourniquet. Injury to the femoral artery demands immediate attention if a casualty has any hope of survival...*

Superior Iliac Crest

Femoral Artery

Greater Trochanter

Inguinal Ligament

Pubic Bone

Position Compression Pads 30° to Apex

## ANATOMY of the INGUINAL AREA





# THE TACTICAL SOLUTION

JUNCTIONAL EMERGENCY TREATMENT TOOL

Treat **UNILATERAL** and/or **BILATERAL** injuries in ONE SINGLE APPLICATION



The **JETT™** (Junctional Emergency Treatment Tool) is mechanical device engineered to control hemorrhage from **high extremity wounds** in the **thigh/groin (inguinal) region** where tourniquets cannot be placed or are less effective. Examples of possible injuries include **penetrating trauma, blast injuries and amputation.**

The JETT™ includes two individually adjustable compression pads in a single tool, allowing for **simultaneous occlusion of blood flow to one or both lower limbs** with an easy-to-apply, pre-assembled, ready-to-use belt solution optimized for use **at or near the point of injury**

In cases where there are bilateral injuries, the JETT™ offers a simple, safe solution for occluding blood flow to both lower extremities that **does not impede the respiration** of a patient already in distress.

This expanded capability means

that with one single application the device's two Compression Pads are pre-positioned for rapid bilateral application and individually adjustable for unilateral treatment, based on the casualty's injuries.

The unique mechanical advantage of the JETT™ provides **superior performance during patient transport** since it is not affected by fluctuations in atmospheric pressure and temperature as are pneumatic devices which are susceptible to loss of pressure in the changing conditions of TACEVAC. Additionally, the Circumferential Buttocks Pad secures the device to the patient and features a lanyard/toggle locking mechanism to maintain consistent pressure and offer added security during patient movement.

**To stop the bleeding and potentially save the life of a casualty that would otherwise bleed out in minutes, the JETT™ is the superior choice.**

## ADVANTAGES :

- **Compact, lightweight & ruggedized** for use in the tactical environment
- **Pre-assembled, Ready-to-use & Easy-to-apply** at or near the point of injury
- **Simultaneous Occlusion of blood flow to both lower limbs that does not impede Respiration**
- **2 Compression Pad Assemblies**, pre-positioned and individually adjustable, allow for individual or bilateral activation, based on the patient's injuries
- **Circumferential Compression Buttocks Pad** safely secures the device to the patient while the **Lanyard & Toggle Locking Mechanism** ensures that vibrations or bumps to the windlass will not reduce the pressure during patient movement
- **Mechanical Advantage** - Will not loose pressure due to changing altitude and temperature as would a pneumatic device
- **Writeable Area** to document application time
- **Easy-to-understand, Step-by-step Instructions** included
- **New Sleeves** help pre-position the pads and **Aid in Smooth Application**



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# JUNCTIONAL EMERGENCY TREATMENT TOOL



The nature of high extremity wounds to the thigh/groin region challenges the effective control of rapid hemorrhage. When treatment of such an injury is not amenable to standard tourniquets, the Junctional Emergency Treatment Tool (JETT™) is a ruggedized mechanical compression device designed especially for the prehospital environment to effectively control inguinal junctional hemorrhage at or near the point of injury. Constructed of 1050 Denier ballistic nylon, mil spec webbing and 2 in. Duraflex buckle, the JETT™'s ready-to-use belt is complete with two individually adjustable compression pad assemblies strategically placed for simultaneous application to one or both lower limbs. When situated over the crease between the pelvis and thigh, these pre-positioned pads are poised to apply pin point pressure to the femoral artery by tightening the ergonomic Threaded T-Handle (windlass axle). The unique locking mechanism with lanyard and toggle keeps the device securely tightened down in spite of vibration or bumps that may occur during patient transport.

## WARNING:

- Do not leave applied for longer than 4 hours
- For Inguinal use only

## CAUTION:

- For use by trained personnel
- Tighten until hemostasis is achieved
- Reassess casualty condition after movement or every 5 minutes (or based on your medical protocols)
- Caution: Federal law restricts this device to sale by or on the order of a physician

## LIMITATION OF LIABILITY:

North American Rescue, its employees, agents, contractors, supplier, and distributors shall assume no liability for injury of damages arising from the application and use of the Junctional Emergency Treatment Tool (JETT™). The user assumes all risk of liability.



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Item#	NSN#
30-0088	6515-01-616-5841



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## Packaged Dimensions:

H 5.5 in. x W 7 in. x D 3.75 in.

Overall Device Length: 56.75 in.

Fits Waists up to 50 in.

Circumferential Buttocks Pad:  
L 19 in. x W 6.5 in.

Compression Pad:  
L 4.85 in. x W 2.5 in. x D 1.1 in.

Threaded T-Handle:  
H 4.62 in. x W 4.04 in. x D 0.63 in.

Weight: 1 lb 8 oz

## ALSO AVAILABLE:



**JETT™ Pack** Nylon pouch designed for carrying the JETT™ on the outside of an aid bag. Features 2 internal mesh pouches. PALS/MOLLE-style connectors provide versatile attachment options. Bag only.

JETT™ sold separately.



Color	Item#	NSN#
BLK	80-0355	
COY	80-0356	

Dimensions: H 6.5 in x  
W 8 in. x D 4 in.

Weight: 5.87 oz.