



# NODIN AVIATION AS

YOUR NEEDS - OUR KNOWLEDGE - EQUALS INNOVATION



## MEDICAL EVACUATION (MEDEVAC) ...from point of injury to homeland hospital



## NODIN MEDEVAC STRETCHER AND ACCESSORIES

...a brief introduction

NODIN = Norwegian Development and Innovation



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## NATO MEDEVAC Stretcher (NT-820MV1)

NATO Stock No: NSN-6530-25-160-2914

In an Aeromedical Evacuation development project and design program, we searched worldwide for a Field Stretcher meeting all requirements for aerial transport of patient, both civilian and military.

Since we were not able to find a stretcher meeting all requirements, we decided to develop a new field stretcher to be used in all kind of carriers; on Land, Sea and Air.

- Designed and tested iaw NATO Stanag 2040 and 3204
- Integrated 7-point quick release Harness
- 4 folded with telescopic handles
- Pinch free hinges
- Low storage volume
- 6 anchoring points for IV pole, arm-rest, medical bridge, light, hoist-straps etc.
- Minimum 10g crash load in all directions





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## NATO MEDEVAC Stretcher (NT-820MVU)

NATO Stock No: NSN-6530-25-160-2914

Hinges are designed with lamellas which prevents objects larger than 3mm in diameter to be pinched between hinge parts.



A 5-point harness for the thorax area and a 2-point harness for the leg area is part of the stretcher fabric and secured to the stretcher frame for optimal load transfer.

The patient harness is designed for multiple sizes of patients and with quick release buckles.





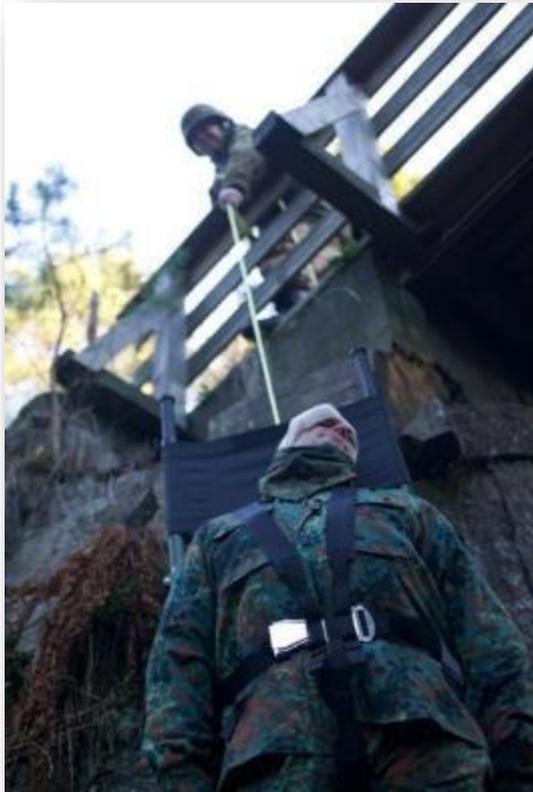
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## NODIN 4-folded MEDEVAC Field Stretcher...

...meeting requirement for minimum 10g crash loads in all directions





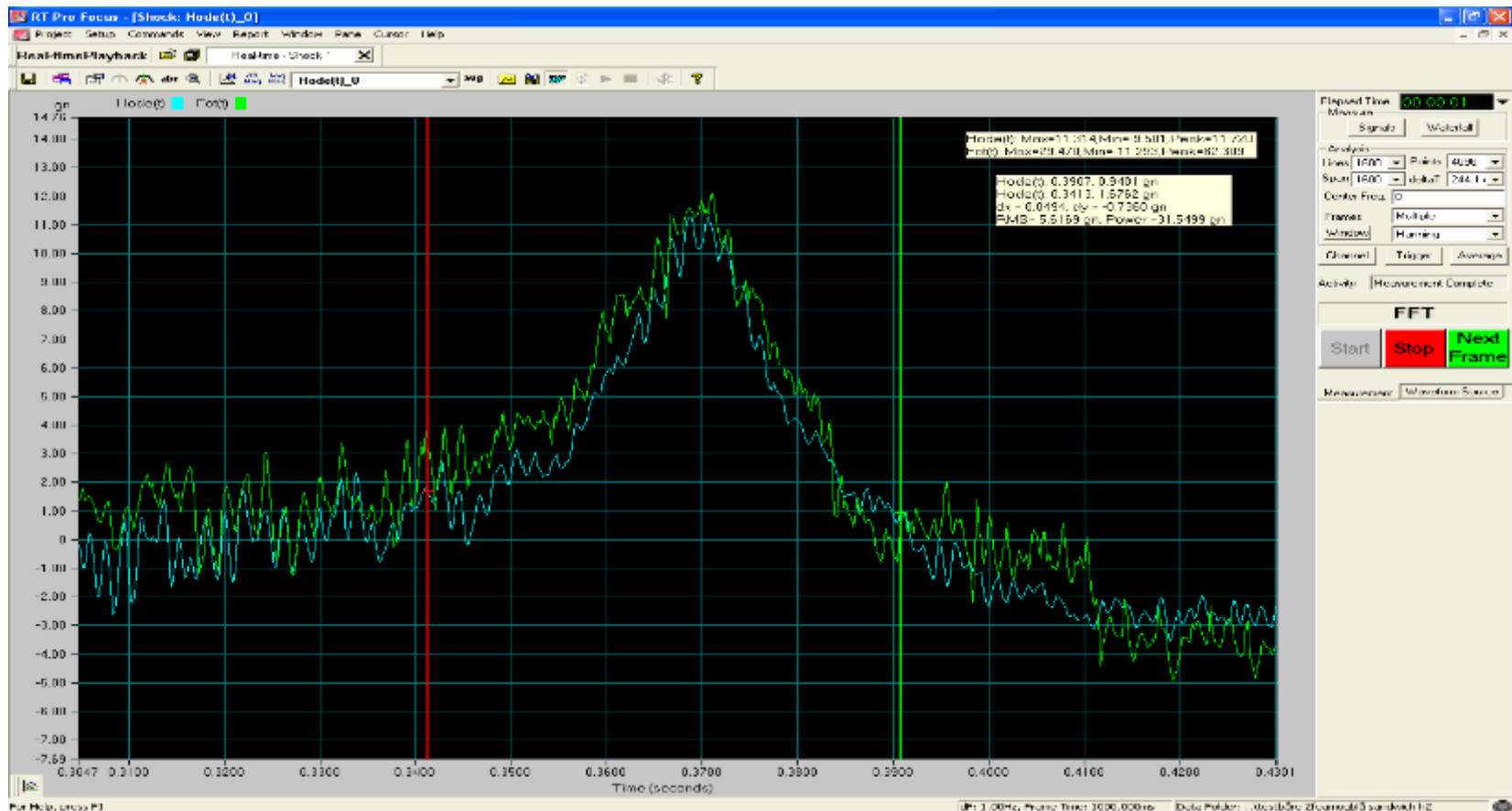
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## MEDEVAC Field Stretcher crash test...

(12g / 50ms / 114kg patient)





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## MEDEVAC Field Stretcher Backrest (NT-850ABR)

NATO Stock No: NSN-6530-25-160-2915



Adjustable Backrest positions: 0°, 30°, 35°, 40° or 45°



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## MEDEVAC Field Stretcher Mattress (NT-822MAD)

NATO Stock No: NSN-6530-25-161-8870



...unique mattress to reduce hypothermia risk and prevent bed sore for patient with limited circulation



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## MEDEVAC Field Stretcher and Mattress...

...stretcher alternatively packed in Bag or Backpack



...mattress packed in Dry Bag



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## NODIN IV-Pole (NT-821IVP) for NODIN MEDEVAC Stretcher



- 6 alternative and dedicated positions for mounting the IV-pole on the NODIN MEDEVAC Field Stretcher; 3 alternatives along each side of the stretcher
- Step less height adjustment from 410 mm to 740 mm
- Twist the IV-pole telescope left to release height position and twist right to lock in selected position.



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## MEDEVAC Field Stretcher Accessories

Equipment Pole Adapter (NT-830EPA) for 6 alternative positions



...adapter for all standard pole-mounted medical equipment independent of manufacturer



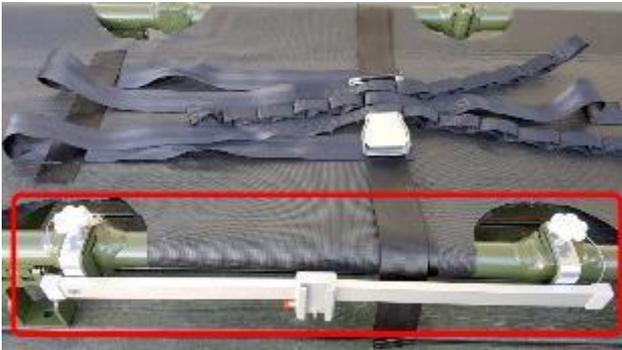
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## MEDEVAC Field Stretcher Accessories

Stretcher Integrated Rail for Medical Equipment (NT-831RME)



4 alternative and dedicated positions for mounting the universal (25x10)mm Medical Rail to the stretcher; 2 alternatives along each side of the stretcher.



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## MEDEVAC Field Stretcher Accessories

Stretcher Integrated Rail for Medical Equipment (NT-831RME)



...Medical Rail for all standard rail-mounted medical equipment independent of manufacturer



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## MEDEVAC Field Stretcher Accessories

Equipment Pole Adapter (NT-830EPA) for stretcher integration



6 alternative and dedicated positions for mounting the Equipment Pole Adapter on the stretcher;  
3 alternatives along each side of the table/stretcher.



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## MEDEVAC Field Stretcher Accessories

Equipment Pole Adapter (NT-830EPA) for stretcher integration



6 alternative and dedicated positions for mounting the Equipment Pole Adapter on the stretcher;  
3 alternatives along each side of the table/stretcher.



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## MEDEVAC Field Stretcher Accessories

Adjustable Arm Rest (NT-823AAR) for stretcher integration



Two alternative and dedicated positions for mounting the Adjustable Armrest to the stretcher; one on each side, head end, left and right.



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## MEDEVAC Field Stretcher Accessories

Patient Cover/Tent (NT-833IPC), for stretcher integration



This solution can be used as full body coverage or as partial body coverage. Tent arches are covered with a thin and light fabric. Tent fabric is transparent at the head end.



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## Field Surgical Table (NT-950FST) ...as a Lightweight Forward Operating Platform



The Field Surgical Table (NT-950FST) consists of the Tilttable Stretcher Stand (NT-880TSS) and the 4-folded Nodin MEDEVAC Stretcher (NT-820MVU)

Total weight less than 20 kg



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## Super Absorbent Sheet, (NT-840SAS) for body fluid absorption



- The Emergency Sheet is a universal multi-purpose product designed for stretchers and beds. Also used as a transfer sheet or for packaging.
- Lifting / carrying capacity 150 kg. Size (245x140) cm. Weight 430g
- The sheets are adapted for all purposes and for use in all departments where spills of body fluids are a challenge. Absorption capacity 10 liters per square meter



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## Patient Support System (P/N: NT-890PSS) MEDEVAC and inter-hospital transport.

- Aeromedical Evacuation unit
- Suspended in Stretcher rack, or strapped to cargo floor anchoring points.
- Designed iaw Stanag 2040 and Stanag 3204.
- Additional payload:
  - 60 kg of medical, electro medical equipment.
  - Including Oxygen Bottles in defined Cribs.





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## Patient Support System

...for Field Stretchers - designed according to dimension in NATO Stanag 2040

... some table layouts



...secured to the aircraft cargo floor anchoring points



...retractable wheeled legs, one foot operated





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## Patient Support System (PSS) Accessories:

- Equipment Fastening Straps
- Flexible tables
- IV-pole
- Surgical Light
- Spot Light
- Internal Battery Package
- Arm-Rest for Surgical Operations
- Patient Rain and Dust Cower
- Docking Rack for Infusion Pumps
- Standard Medical Rails
- Various types of customized racks

...PSS are designed to easily integrate a wide variety of medical devices, equipment and assistive technology.





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## Patient Support System (PSS) Customized version



Due to limited pressure per. floor area is the requirement that the Oxygen Cylinder Rack must not transfer load to the vibration-damped PSS feet, but still be secured to the PSS.





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## Innovative Medevac Solutions

Together with our customers, the users and project-defined suppliers and partners, we dedicate our selves to find the best possible solution to our customers need of Forward and Medical Evacuation equipment and optimal MEDEVAC concepts and solutions.

Together we make a strong supplier of medical evacuation products and concepts, from point of injury and all the way back to homeland hospital.

**"The future belongs to those who see possibilities before they become obvious".**

**Thank you for your attention  
...and welcome to a MEDEVAC chat.**



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## Nodin Aviation AS

PO Box 573, Nanset  
N-3252 Larvik, Norway  
NATO - NCAGE N4597

Phone: + 47 93 04 87 79

Email: [post@medevac.no](mailto:post@medevac.no)

[www.medevac.no](http://www.medevac.no)