



IKAR/CISA
Island of Brač
CONGRESS 2013
Croatia

Confined/Vertical and Trail Rescue with PNEUSPINE

Nicola Campani
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- Inflatable “long board” (EN 1865-1:2010)
- low pressure device (0,7 Bar)
- inflatable with multiple devices
- light & compact
- reliable



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Pneuspine features

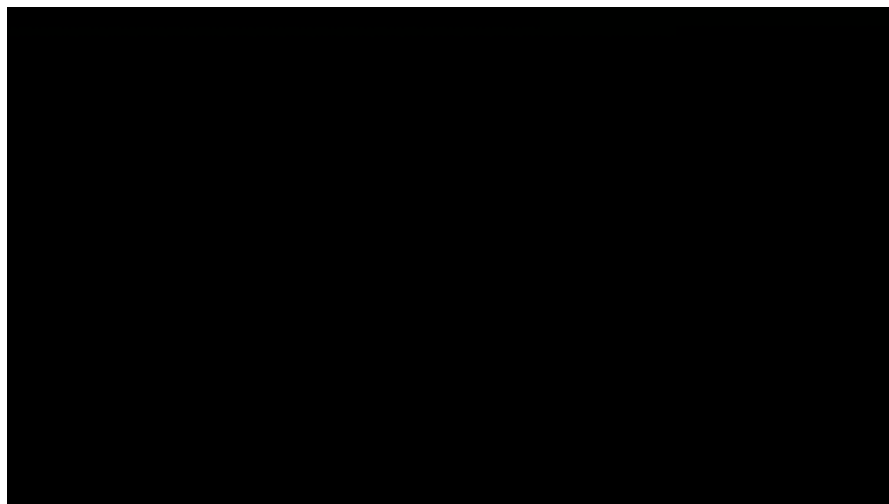
-  4.0 kg
-  55x12x12 cm (deflated)
-  186x44,5x10 cm (inflated)
-  low pressure
-  inflatable with any gas
(nitrogen single use cylinder suggested)



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“Northwall Pneuspine”



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benefit

- patient “bouncing protection”
- high thermal insulation (gas improved)
- applicable as rescue transfer sheet
- floating
- comfortable
- versatile



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365 days after

- Pneuspine has been introduced as a prototype in IKAR CISA 2012
- 21 test pneuspine on field
- 5 different “environment”



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365 days after

(testing environment)

- Water Rescue
- Helicopter rescue
- Confined space (Cave from 2014)
- Backcountry/Ski
- High Altitude (Manaslu 2014)
- Ambulance (from 2014)



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new possibilities

Accessories development to face new situations:

- Vertical/Confined space
- Trail/backcountry



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Vertical/Confined space



Vertical/Confined space



2 different harnesses that
can be loaded alternately



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Vertical/Confined space



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Trail/Backcountry



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Trail/Backcountry



based on a rugged and lightweight bag, and four or more adjustable shoulder belts



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to be continued...