

## BeeNest Airbags



## The Ultimate Solution for Ship Launching in Harsh Environments

Introducing the **BeeNest Airbag**, a revolutionary product from NANHAI that sets a new standard in ship launching technology. The BeeNest Airbag is a patented, independently developed innovation that combines all the advantages of traditional NANHAI ship launching airbags with an added layer of high-strength anti-puncture composite material. This unique design effectively prevents accidental scratches and punctures from sharp objects, making it ideal for extremely harsh operating environments and significantly extending the product's service life.

## Why Choose BeeNest Airbags?

The **BeeNest Airbag** not only retains excellent flexibility and ease of operation but also enhances durability and safety. As the exclusive manufacturer of BeeNest Airbags, NANHAI is the first to upgrade traditional ship launching airbags to this innovative design. Utilizing world-leading high-tech raw materials and unique production technology, BeeNest Airbags offer unparalleled performance and reliability.

## Key Benefits of BeeNest Airbags

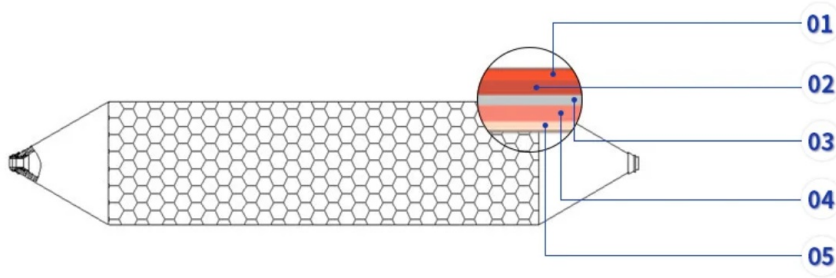


- **100% Anti-Puncture:** Equipped with a high-strength anti-puncture composite material, ensuring protection against sharp objects.
- **Ideal for Harsh Environments:** Specifically designed to perform in the toughest conditions.
- **Excellent Flexibility:** Maintains good flexibility and is easy to operate on-site.
- **Extended Service Life:** The robust construction significantly improves the longevity of the airbags.
- **Superior Performance Indicators:** Various indicators far exceed ISO14409 standards.
- **High Safety Factor:** A safety factor reaching 4.5 times (compared to the normal 2-3 times) for enhanced protection.
- **Advanced Structure:** Features a 5-part body structure, compared to the normal 3-part, for added strength.
- **High-Quality Materials:** Utilizes 3-strand synthetic tire cord (normal is 2-strand) for superior durability.
- **Stainless Steel Valve:** Built-in stainless steel air inflated valve for consistent performance.
- **Clean Production Process:** Industry-leading talcum powder removal process ensures a cleaner product.
- **Versatile Sizes:** Available in diameters from 300 mm to 4,000 mm and lengths from 3,000 mm to 33,000 mm.
- **Customizable:** Manufactured in various sizes to meet specific project requirements.

## Product Specifications

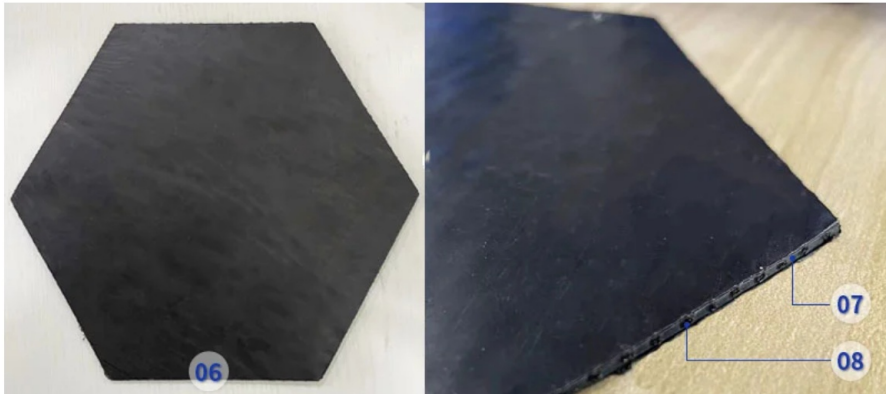
- **Diameter:** 300 mm to 4,000 mm
- **Length:** 3,000 mm to 33,000 mm
- **Customization:** Available in customized sizes to fit unique needs.

## BeeNest Airbag Structure



**BeeNest Airbags can reflect unparalleled performance, mainly due to this type airbag Excellent Structural Design, Superior Original Material and World-Leading Production Technology.**

- ① Anti-puncture layer part
- ② Reinforcement layer part
- ③ Outer rubber layer part
- ④ High strength synthetic tire cord layer part
- ⑤ Inner rubber layer part



#### **Anti-Puncture Layer Part Structure**

- ⑥ Composite anti-puncture patch
- ⑦ Rubber matrix part
- ⑧ High density steel wire cord

## **Applications**

- **Ship Launching**
- **Ship Upgrading**
- **Caisson Moving**
- **Ship/Caisson Lifting**