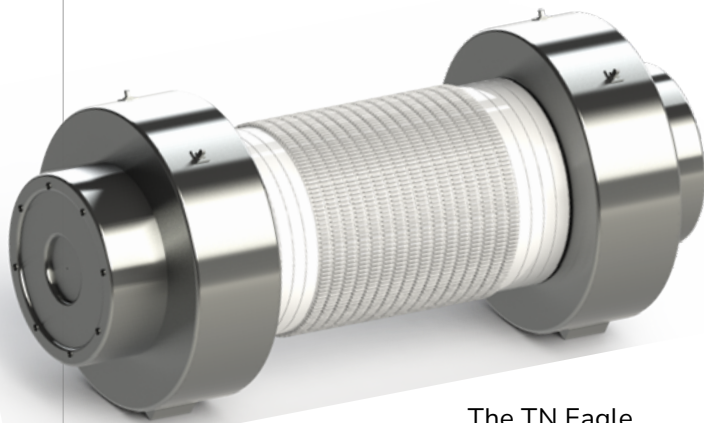




Orano TN

# TN Eagle<sup>®</sup> Cask

The innovative design, modular structure, and fully automated production without welding, allows for expedited delivery to our clients for the safe transport or storage of used fuel.



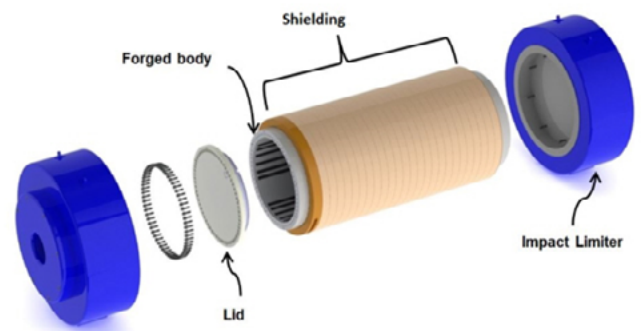
The TN Eagle is the newest addition to the fleet of Type B transport packages for the shipment of used nuclear fuel. Meeting the latest regulatory standards in Europe and the U.S., this package has increased safety performance, improved capacity, innovative design, and simplification of the fabrication process to reduce costs and meet demand.

## IDEAL FOR...

...any facility needing an experienced, flexible, cost-effective system for the transport of used fuel.

## BENEFITS

- Neutron-absorbing resin with increased long-term resistance to high temperature
- A high heat capacity of 38.4kW
- Accelerated manufacturing schedule due to fewer components
- Cost-reduction-oriented design with optimized price-per-fuel element.
- Improved capacity for legacy canisters and the new EOS<sup>®</sup> canisters
- Production capacity of 30 TN Eagle casks/year



The TN Eagle Assembly for EOS<sup>®</sup> Canister

The TN Eagle is a combination of proven technology with innovative features. The thick, forged body and bolted lid covers a shielding layer made without welding. There are almost 10 times fewer components compared to the previous generation of dual-purpose casks. This decreases the manufacturing time, with a production goal of 30 casks a year.



The first TN Eagle

The confinement boundary uses a thick steel, forged body as the main design feature, achieving the goal of producing the cask without any welding, as well as reducing the number of components. This simplifies and improves the quality and performance, as well as reduces the cost to our customers.

The TN Eagle can be used as an interim storage and/or transport cask, and operates similarly to TN's MP197HP cask.



For more detailed information on Orano TN casks and transportation capabilities, scan the QR code or [click here](#).

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Packaging overall length with impact limiters	318.90 in.
Packaging overall length without impact limiters	220.39 in.
Forged cask body cavity inner diameter	76.38 in.
Total weight (loaded)	359,574 lbs.
Maximum heat load	38.4 kW

## Manufacturing

Manufactured in a state-of-the-art facility in Cherbourg, France, we can deliver the TN Eagle to our customers in less than 15 months between the launch of the forged shell and the final packaging acceptance.

Approved by the NRC in 2023, the TN Eagle relies on a fully automated and standardized production to reduce costs, consolidate delivery schedules, and secure critical steps of cask production.

## Resources

[Explore](#) the new TN Eagle factory



[Read](#) the TN Eagle white paper



The TN Eagle®

Read about Orano TN's **Optimized Segmentation** of reactor components process, which has significant positive effects on schedule, dose, and cost.

