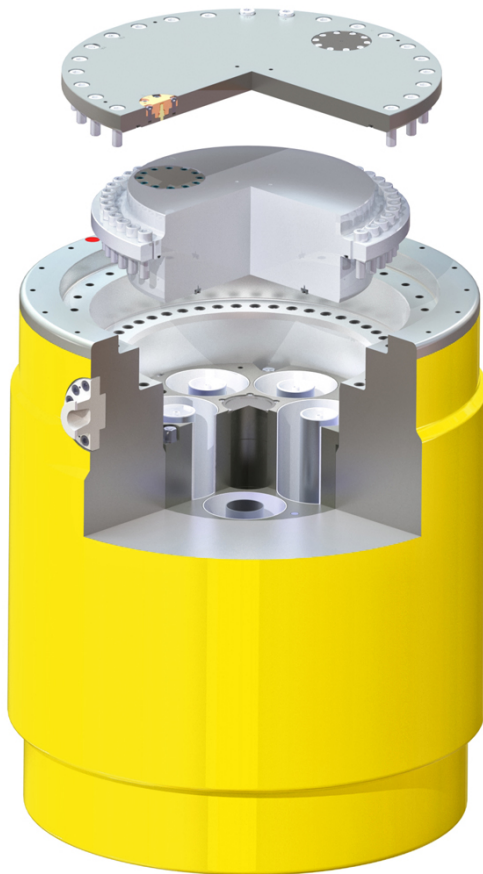


CASTOR® MTR3

Dual Purpose Cask for Spent Fuel from Research Reactors



- Dual purpose cask specially designed for transport and storage of research reactor fuel
- Load & Go and Store & Go – No overpack required for transport and storage
- Based on over 40 years of experience and the proven design principle of the CASTOR® family

DESCRIPTION

The transport and storage cask CASTOR® MTR3 is specially designed for fuel elements from research reactors. It mainly consists of a ductile cast iron cask body, a fuel basket and a double lid system with metallic sealings.

The sealings ensure leak tightness during transport and during storage. The cask meets the international regulations of the IAEA (International Atomic Energy Agency) for Type B(U)F packages for transport on public routes. The first hot loading of a CASTOR® MTR3 is planned for 2022 with KKE7 fuel elements from the FRM II reactor (TU Munich, Germany).

The CASTOR® MTR3 is also able to accommodate other fuel element types using individually customized fuel baskets (e.g. MTR, TRIGA). The application for the extension of the approval to also include MTR fuel elements of the BER II research reactor of HZB (Berlin, Germany) has already been submitted.

An extension to include the MTR fuel elements of the research reactor at Johannes Gutenberg University Mainz, Germany, is also planned.

DIMENSIONS AND WEIGHTS

Storage Configuration

▪ Overall height	160 cm
▪ Outer diameter	150 cm
▪ Cask weight	16 t

Transport Configuration (incl. Impact Limiters)

▪ Overall height	300 cm
▪ Outer diameter	240 cm
▪ Cask weight	24 t

Cavity

▪ Height	92 cm
▪ Diameter	72 cm

