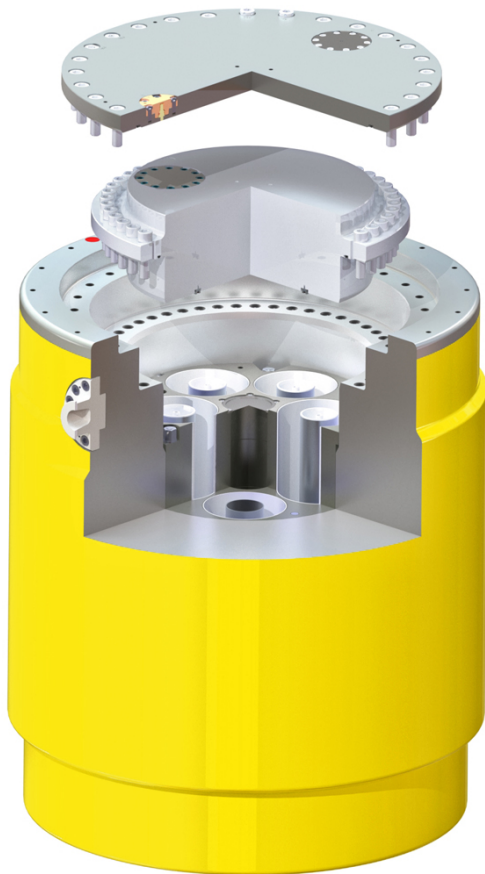


CASTOR® MTR3

Dual Purpose Cask for Spent Fuel from Research Reactors



For more than 40 years CASTOR® casks by GNS have been a reliable solution for the safe transport and storage of Spent Nuclear Fuel and High Level Waste from reprocessing. Today more than 1500 CASTOR® casks are in operation worldwide.

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 2020 with fuel elements from the FRM II reactor (Munich, Germany).

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

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