



INTERNATIONAL
NUCLEAR SERVICES

www.innuserv.com

MOX Fuel Transport Package (M4/12)

Nuclear engineering
expertise
It's in our heritage.



PROUD OF OUR
BRITISH
HERITAGE

THE INS M4/12 MOX FUEL TRANSPORT PACKAGE INCORPORATES IMPROVED SHIELDING AND THERMAL PERFORMANCE, AND MORE EFFECTIVE FUEL LOADING AND RETENTION COMPARED WITH ALTERNATIVE PACKAGES, ENSURING MINIMISATION OF DOSE TO OPERATORS AND ASSURANCE THAT FUEL QUALITY IS MAINTAINED DURING TRANSPORT.

The package design is in accordance with the requirements of International Atomic Energy Agency (IAEA) regulations for the safe transport of radioactive material for a B(U)F package.

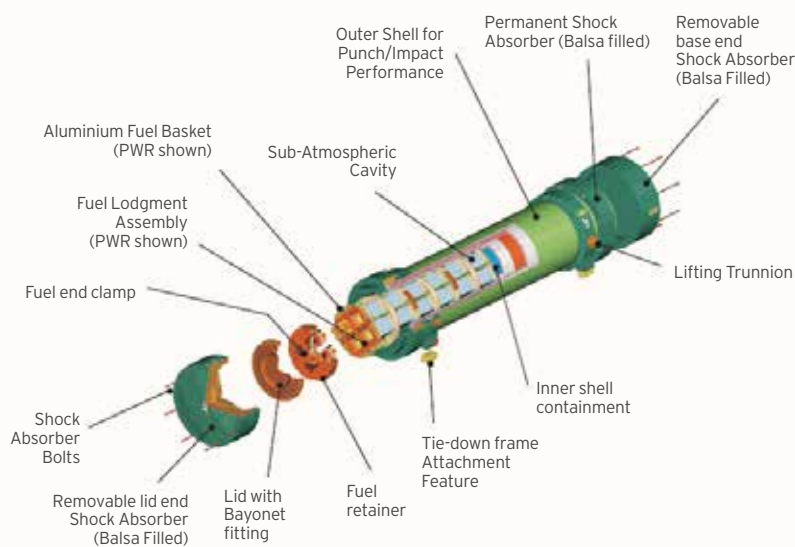
The design of the package has been carefully optimised to ensure the maximum weight of the laden security vehicle falls within the limits of the European Road Transport Regulations without the need for overweight permits (40 tonnes).

The M4/12 design and manufacture is carried out in accordance with approved quality management systems complying with ISO 9001.

The M4/12 has benefited from INS' commitment to a programme of continuous technical advance in the areas of design, analysis and material technology, and reflects our continuing commitment to meet our customers' transport needs both now and in the future.

- We design complete end-to-end transport solutions, including engineering bespoke transport packages to meet your needs
- We bring to you the benefits of our expert ongoing contribution to IAEA regulations to ensure your transport is efficient and compliant
- Working with INS gives you access to 40 years of transport experience coupled with the latest operational insight

Intended use:	
Licensing	GB/4469A/B(U)F-96 (PWR)
Payload	4 PWR or 12 BWR fuel elements
Fuel	Maximum enrichment Puf(Pu+U) PWR fuel 6.25w/o BWR fuel 7.45w/o Maximum activity value PWR fuel 5.87E+06 A2 BWR fuel 7.27E+06 A2
Package Thermal rating	3.2 kw
Size	6,083mm overall length with shock absorbers 1,530mm overall width across trunnions 5,365mm overall length with shock absorbers removed 1,430mm diameter of shock absorbers
Weights	13,700 kg maximum gross weight loaded package (excludes transport frame) 624kg lid end shock absorber and attachment bolts 560kg base end shock absorber and attachment bolts



www.innuserv.com