



Package Type

Originally designed as a Type B(U) Package to the IAEA SSR-6 2018 Regulations for the Safe Transport of Radioactive Material.

Certification

Currently certified as a Type A package for the transport of irradiated metal samples in solid form held within sample holder assembly.

Description

The SAFKEG® 2835C package is designed to be robust and simple to use. The packaging consists of a stainless steel Outer Keg (Design No 2835) which carries a stainless steel and depleted uranium (DU) shielded Containment Vessel (CV), Design No 2784 within a aluminium carrier and shock absorbing cork lid.

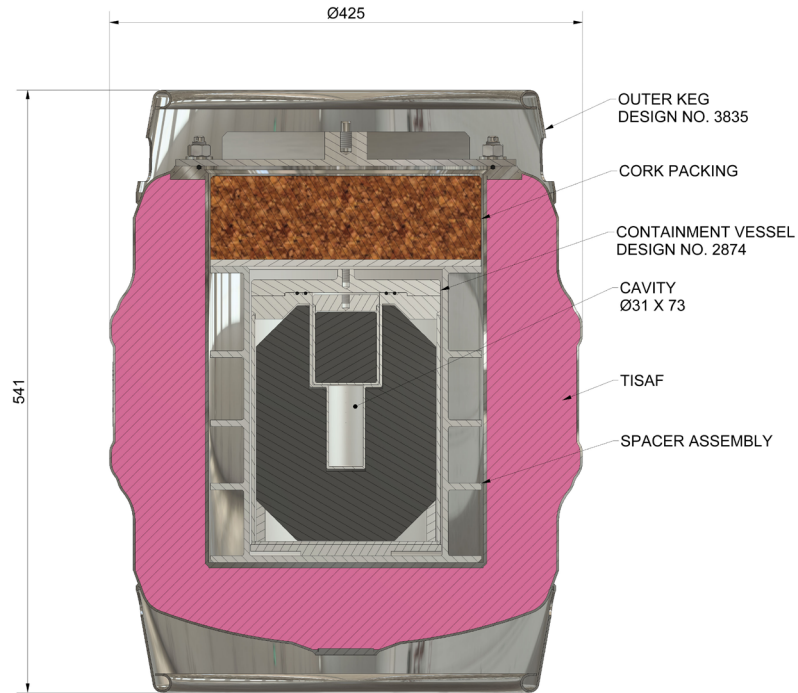
The Outer Keg has a fabricated stainless steel body with a large stainless steel lined cavity and a bolted stainless steel lid. The space provided between the fabricated body and the lined cavity is filled with a phenolic resin foam, Thermally Insulating Shock Absorbing Foam (TISAF). The 2784 CV is a DU shielded vessel fabricated from stainless steel incorporating a bolted lid fitted with double O-ring seals.

Containment / Shielding

The 2784 CV provides the containment system and shielding of the package. This incorporates a verifiable double O-ring seal configuration. The interspace between the inner and outer seal facilitates leakage testing to ensure that the seals achieve the prescribed levels of leak tightness.



Section through Package Design No 2835C



SECTION VIEW
SAFKEG 2835A

i2512

Approved Contents

- Solid form only.
- The contents include alpha and beta emitting nuclides, plus low energy gamma nuclides, consisting of up to A2 quantity for non-special form material and A1 for special form material. Note the actual limit be reduced due to the nature of the contents (i.e. from shielding requirements).

Modes of Transport

By road, rail, sea and air.

Physical Data

Component	Outer Keg Design No 2835	Containment Vessel Design No 2784
Dimensions		
External Diameter (mm)	425	169
External Height (mm)	541	248
Internal Diameter (mm)	247	31
Internal Height (mm)	355	73
Weights		
Tare Weight (kg)	47.5	78.5
Maximum Permitted Contents Weight (kg)	1.1	
Maximum Gross Weight of Package (including Contents) (kg)	127.1	