

Package Design N^{os} 2948, 2949 and 2950
Package Name: Drumpak



Type

Designed as a reusable Type A/IP III package to the IAEA Regulations for the Safe Transport of Radioactive Material No. TS-R-1.

Certification

Licensed by Croft Associates Limited as a general purpose Type A /AP iii package, which is generally used for the carriage of a wide range of radioactive material.

Approval Certificates include:

- 2948A Type A
- 2948A Type IP III
- 2949A Type A
- 2949B Type IP III
- 2950A Type A
- 2950A Type IP III

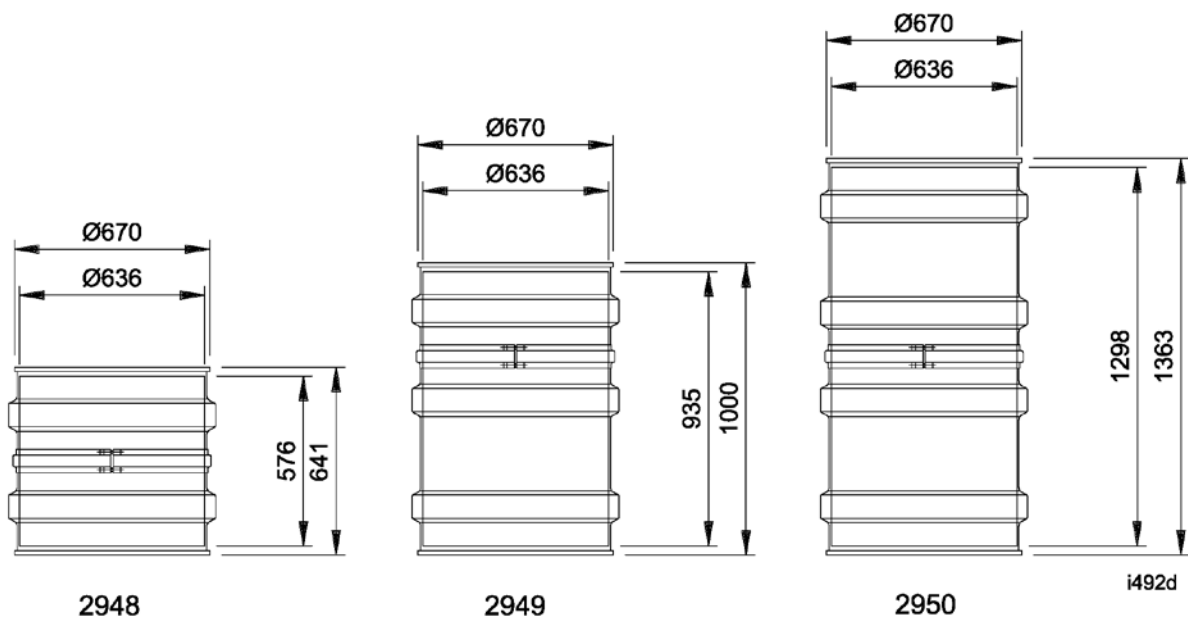
Description

Drumpak consists of a robust stainless steel containment system incorporating a sealed closure which is leak tight. The Drumpak is a family of three Drumpaks (Design Nos. 2948, 2949 and 2950), designed to carry a wide range of radioactive material. The large cavity allows flexibility in packing contents and will accommodate all the commonly used 200 litre waste drums; large pieces of activated plant and items of manufactured equipment. Designed as a reusable packaging, it provides a cost effective solution to transporting existing items, and/or packages, which do not meet the requirements of the regulations (IAEA TS-R-1). The stainless steel container provides a robust finish, needing very little maintenance.

Containment

The main body provides the secondary containment system for the package. The packages forming the contents will provide the primary containment. The contents are also limited to ensure that the external radiation levels of the package, as loaded and presented for transport, are within regulatory limits.

Illustration of Package Design Nos. 2948, 2949 and 2950



Approved Contents

Radioactive material in solid form complying with the Type A classification (eg, manufactured equipment, activated items and waste). And material, including waste, in the form of LSA II, LSA III and SCO II suitably packed for handling purposes.

Maximum contents weight of Drumpak is approximately 400 kg (see table below), this could be increased subject to a satisfactory safety review.

The contents must be packed in such a manner so as to prevent gross movement or point contact during normal conditions of transport. The contents are also limited to ensure that the external radiation levels of the package, as loaded and presented for transport, are within regulatory limits.

Modes of Transport

Road, rail, sea, air and inland waterway.

Physical Data

Drumpak	2948	2949	2950
External Diameter	670 mm	670 mm	670 mm
External Height	641 mm	1000 mm	1363 mm
Internal Diameter	636 mm	636 mm	636 mm
Internal Height	576 mm	935 mm	1298 mm
Tare Weight	36 kg	51 kg	66 kg
Contents Weight	414 kg	399 kg	384 kg
Maximum weight, including contents	450 kg	450 kg	450 kg

Further Information

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