

# R64 Datasheet

## Type B (U)

IAEA certified, UN n° 3328-radioactive wastes in Type B (U) cask, fissile

24 fabricated to date (2002 - 2010)



## Application

### Neutron sources

Designed to transport sealed neutron sources, fissile or not, possibly leaking, packaged as capsules or sealed in special form

One-of-a-kind cask for high activity neutron source

## Specifications

### Materials and mechanics

Epoxy-painted carbon steel body with 304L impact limiters and internals

Patented PNT7™ compound filling, with excellent and proven thermal and neutron absorbing capacities

Successful physical drop tests

### Overall Dimensions

Length: 1,250 mm (4.2 ft)

Diameter: 700 mm (2.3 ft)

### Useful Loading Dimensions

Length: 160 mm (6.3 in)

Diameter: 94 mm (3.7 in)

### Weight

Gross weight: 810 kg (1,790 lb)

Maximum load: 1 kg (2.2 lb)

### Activity

Maximum activity: 19,000 A2

Maximum neutron emission:  $1.30 \times 10^8$  n/s

Maximum thermal power: 17W