

## **MODEL P 200 TYPE B(U) PACKAGING**

#### USE

The packaging set P 200 type B (U) is for the transport of radioactive sources of a special form and other than a special form, using a special shielding container. This allows one to perform the exchange outside of a workplace specialized for radioactive sources — overcharging the sources directly at the workplace. The approved radioactive content in the packaging set may reach the following maximum activity:

## 200 TBq <sup>137</sup>Cs

Furthermore, radioactive substances of unlisted level up to values  $A_1$ ,  $A_2$  pursuant to the tab. 1, annex no.3 of the Decree no. 317/2002 Coll. or pursuant to the tab. I, part IV, Safety Standards no. TS-R-1 (ST 1, revise), Regulations for Safe Transport of Radioactive Material 1996 Edition, IAEA can be transported in this packaging set. The condition for use is to maintain the input of the dose equivalent on the external surface of the packaging set, which must not exceed the value 2mSv/hod.

#### **TECHNICAL DATA**

Packaging: Type B(U) for other than special form

of a radioactive substance

Transported sources of radiation: URZ – <sup>137</sup>Cs Maximum inserted activity: 200 TBq

Maximum internal dimensions of the nest:  $34\times94 (88)-320 \text{ mm}$  ( $\varnothing100\times320 \text{ mm}$ )

Shielding-overcharging container

Shielding material thickness: uranium: 61,5 mm

wolfram: 65 mm steel: 10mm

Maximum external dimensions (without Ø248×500 mm

suspension screws):

Maximum weight of the shielding 345 kg

container itself including the filling:

Transport case

Thickness of the used shielding - steel: 11 mm

Maximum external dimensions (without Ø450x705 mm

the manipulation palette):

Maximum weight of the transport case 135 kg

itself:



### Manipulation palette

Maximum external dimensions:  $520 \text{ mm} \times 680 \text{ mm} \times 135 \text{ mm}$ 

Maximum weight: 20 kg

Packaging set

Maximum size:  $520 \text{ mm} \times 680 \text{ mm} \times 840 \text{ mm}$ 

Total max. weight of the packaging set: 500 kg



Shielded overcharging packaging P 200 Weight: 345 kg





# Packaging set P 200

Weight: 500 kg

