

RADIOTHERAPY

BRACHYTHERAPY

PROTONTHERAPY



# Radiation Protection **ROLLING DOOR** For Radiation Therapy room

Application : room without maze



Since 30 years, our engineers and technicians design, manufacture and install radiation protection leaded and neutronic doors, wall shielding, partitions, cabinets and interlock transfer systems for Radiation Therapies and Nuclear Medicine installations worldwide. Whatever the size, the weight or the location DIB teams do their best to satisfy your requirements and to bring to you, your personnel and your customers a safe environment.

#### SHIELDING:

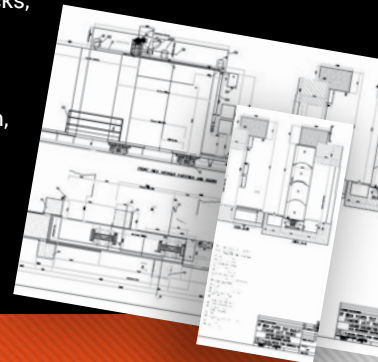
According to room configuration and Linac type  
Lead and/or Steel: 100mm à 250 mm  
Paraffin or Polyethylene, with or without boron:  
up to 400 mm  
Heavy Concrete blocks,  
0 à 900mm

#### DIMENSIONS

For free passage:  
width 0,9m to 1,60 m,  
height 2,0m to 2,3m  
Other dimensions:  
contact us

#### LEAF WEIGHT:

5000 to 15000 kg



**Tailor Made**  
solutions



Our customers include:



## SAFETY – REABILITY – SPEED -- SILENCE – EASY MAINTENANCE

- Door and mechanism located outside bunker, **access always possible**,
- **Silent and Robust** mechanism with high level torque,
- Opening/Closing time starting at **10 s**,
- **Electromagnetic clutch** - adjustable torque due to a potentiometer,
- Start and Stop go through a low speed, which enables a **flexible functioning and a precise stop**,
- **Door slides in a recessed channel** through rollers on bottom rail, **Overlap on bottom**,
- **Mechanism on lintel** which drive the door from its upper part,
- **Sliding floor** to cover the channel when door open to allow for rolling bed and **pedestrian passage**,
- **Easy manual opening** opening and closing with a crank.

### HEAVY DOOR SAFETIES EN 13241-1

- **Emergency stop** on both sides of the door
- **Cell beams** on both sides of the door
- **2 contact strips** on the front leaf
- **Orange flashing light** on both sides of the door

### RADIATION SAFETIES:

**2 dry contact switches** indicate that the door is closed and forbid accelerator running if door is not completely closed.  
Option, **Sound bell** when closing the door - **Last Man Out button**

### MECHANIC SAFETY

In case of unusual opening or closing time, mechanism is declutch, **door and motor stop** after a time.

### DOOR CONTROL

**Opening, Half Opening** on both sides of the door  
**Closing**, on outside of the door,

3 positions key button outside with **automatic, manual mode and close position locked**,

Declutch manual mode/ automatic button inside for easy **manual mode**

Option : **Remote control button**.

### OTHER (Contact us)

Fixed frame or partition around passage door with lead/steel/paraffin or polyethylene instead of concrete.

### DOOR FINISHING



**Painted steel panels** in any RAL code, or only prepainted,



**Stainless steel panels.**



**Wooden finishing.**

On request:

- Partition to hide the door when door is open.
- Other finishing.

For your specific  
Radiation protection needs  
DIB technical team  
Will design with you  
The **tailor-made solution**  
You require

### FOR ANY INFORMATION OR QUOTE REQUEST

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PRODUCTION

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