

RADIOTHERAPY

BRACHYTHERAPY

PROTONTHERAPY



Radiation Protection **SLIDING DOOR** For Radiation Therapy room

Application : Radiotherapy room with 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:

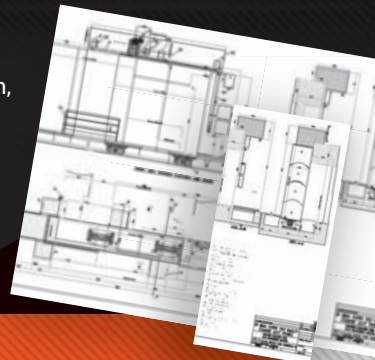
According to room configuration and Linac type
Lead and/or Steel: 30mm to 100 mm
Paraffin or Polyethylene, with or without boron:
0 mm à 400 mm

DIMENSIONS

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

LEAF WEIGHT:

1000 to 10000 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 hanged on an upper rail through two rollers, floor guide outside the 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 formica type

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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