

Examples of use



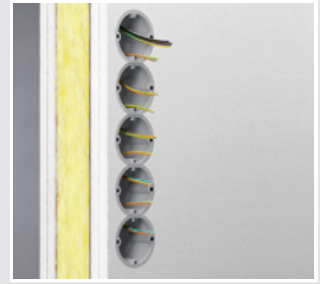
Example of installation of a switch/socket combination.



Using the radiation protection box in the wall.



Single-side use of the radiation protection box in a double combination.

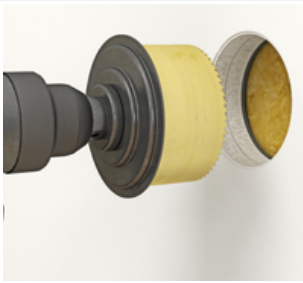


Fitting a triple combination is also easy.

Proof of radiation protection

The German TÜV-Nord Ensysis demonstrated that within a range of tube voltages between 90 and 150 kV, KAISER's radiation protection box with lead-function component achieves a lead equivalent of 2.5 mm Pb. This was confirmed by a series of comprehensive tests which preceded certification and it was clearly demonstrated that the wall's radiation protection in this range of applications is completely maintained.

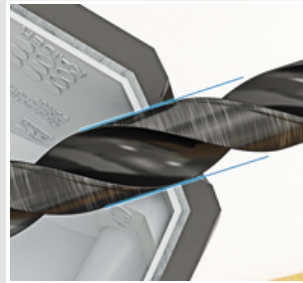
Installation



Use a cutter (e.g. Multi 4000: 1084-10) to make a Ø 74 mm opening.



By using the HSS drill, it is easy ...



... to create an exact-fitting cable entry with the specified cable retention.



Use the universal opening cutter (Art. No. 1085-80) to cut the matching conical opening.



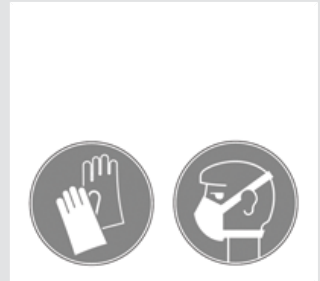
Details of suitable drill settings for the universal opening cutter in respect of cable sizes are shown in the table.



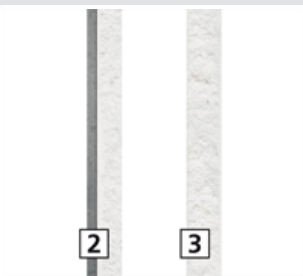
Insert the cables, then fit the box into the installation opening.



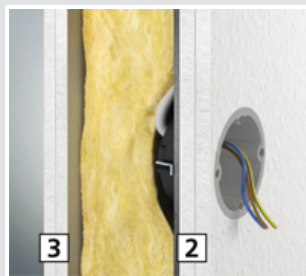
The one-gang junction box is now ready for use.



Use in lead-lined radiation protection walls



2 lead-lined plasterboard panels;
3 plasterboard panels



Up to 2.5 mm Pb on both sides,
2-layer boarding, lead-lining on
one side



Cavity wall installation for radiation protection boxes		Ø setting	HSS drill Ø
NYM cable	3 x 1,5 mm ²	9,5	8,0
	5 x 1,5 mm ²	9,5	9,5
	3 x 2,5 mm ²	9,5	9,5
	5 x 2,5 mm ²	Connector	9,5
Support connector	9060-88	Cut up to the marking of the connector entry.	12

Making an exact-fitting cable entry with the specified cable retention is easy - just use an HSS drill together with the universal opening cutter (Art. No. 1085-80).

The matching drills and universal opening cutter settings are shown in the tables.

Radiation protection one-gang junction box

- One-gang junction box for lead-lined radiation protection walls in buildings
- Combination distance of 71 mm through single separation of the pre-embossed edge



For panel thickness	7 - 40 mm
Depth	58,5 mm
Cut hole Ø	74 mm
Fixing screw spacing	60 mm
Cable entries of up to Ø 11.5 mm	2
Support connectors for each package	3
Lead equivalent value [mm Pb]	2,5
Halogen-free	•
Art. No.	9074-03
Inner packing / shipping	5 / 10