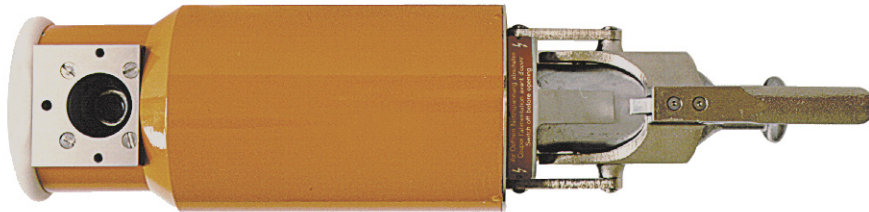


# X-ray Tubehousing

Isovolt 225 MM2 / 0.2



## Application

High resolution radiographic and radiosopic inspection of welds and castings made of steel or heavy metals at strong geometric magnification.

## Features

- Direct radiating tube with minifocus, unipolar, grounded anode, water cooled
- Metal-ceramic tube with oblique anode and beryllium window
- Compatible with X-ray equipment of the ISOVOLT series
- Produced under ISO 9001 certified quality management system

## Options

- Quick-lock cable flange
- Centering and collimator attachment with laser centering device or telescopic rod
- Tube yokes
- Beam shutters
- Motorized limiting diaphragms



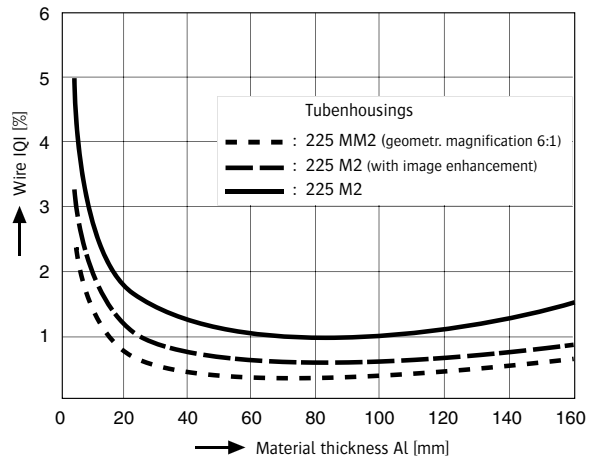
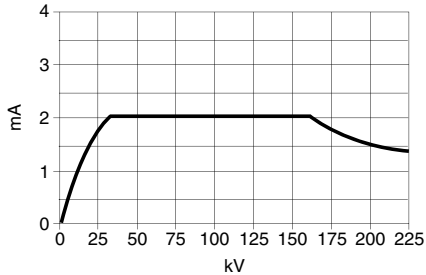
## Dose Rate within the Central Beam

The generation of radiation in an X-ray tube solely depends on the operation values, not on the make.

The dose rate relevant in practice and suitable for calculations of radiation protection values is defined by national standards; thus the dose rate of the tube-housing ISOVOLT 225 MM2/0.2, measured at a

distance of 1 m from the focal spot, amounts to 1.24 Sv/h at maximum tube voltage and maximum anode dissipation. This value must not be used to assess biological effects.

The dose rate of the leakage radiation is < 10 mSv/h (1 rem/h).



## Technical Data

Maximum tube voltage  
Maximum anode dissipation  
Tube current at max. tube voltage  
Focal spot size (EN 12 543)  
Emergent beam angle  
Inherent filtration  
High voltage connection

Cooling water flow rate  
Cooling water temperature  
Cooling water pressure  
Weight (with optional cable quick-lock)  
Dimensions

225 kV  
320 W  
1.4 mA  
< 0.50 mm (~ 0.2 IEC 336)  
20° x 40°  
1 mm Be  
Plug socket for rubber cone plug R24  
with optional quick-lock cable flange  
min. 4 l/min  
max. 40° C  
max. 6 bar  
11.9 kg (26.2 lbs)  
see drawing

