# T2109 – Isovolt 320M1 10-35


**Includes:**

Isovolt 320M1 10-35
Dual Focal Spots (1.0mm/3.5mm)
Axial HT Cable Orientation (End Mounted)

GE
Measurement & Control

# ISOVOLT X-ray Tubehousing

## ISOVOLT 320 M1 / 10-35

### Application

Radioscopic and CT inspections of welds and castings.

### Features

- Direct radiating tube with double focus, bipolar, oil-cooled anode, axial high voltage connections
- 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

- Centering and collimator attachment with laser centering device
- Tube yokes

# Technical Data

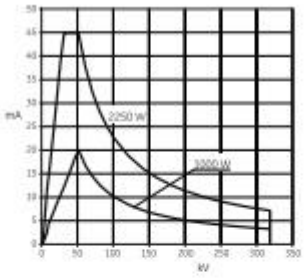
| | Large focal spot | Small focal spot |
|---|---|---|
| Maximum tube voltage | 320 kV | |
| Maximum anode dissipation | 2250 W | 1000 W |
| Tube current at max. tube voltage | 7.0 mA | 3.1 mA |
| Focal spot size (EN 12 543) | 3.5 mm | 1.0 mm |
| Emergent beam angle | 30° x 40° asymmetric (see drawing) | |
| Inherent filtration | 7 mm Be + 2 mm Al (removable) | |
| High voltage connection | 2 Plug sockets for rubber cone plugs R24 with quick-lock cable flanges | |
| Cooling oil flow rate | min. 17 l/min | |
| Cooling oil temperature | max. 50° C (inlet) | |
| Cooling oil pressure | max. 8.5 bar | |
| Weight (with optional cable quick-lock) | 41 kg (90.4 lbs) | |
| Dimensions | see drawing | |

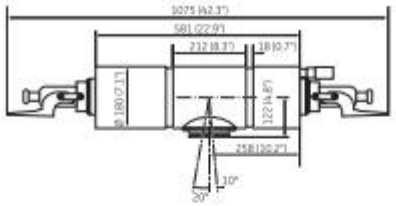
## Dose Rate within the Central Beam

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 tubehousing ISOVOLT 320M1/10-35, measured at a distance of 1 m from the focal spot, amounts to 16.5 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.

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