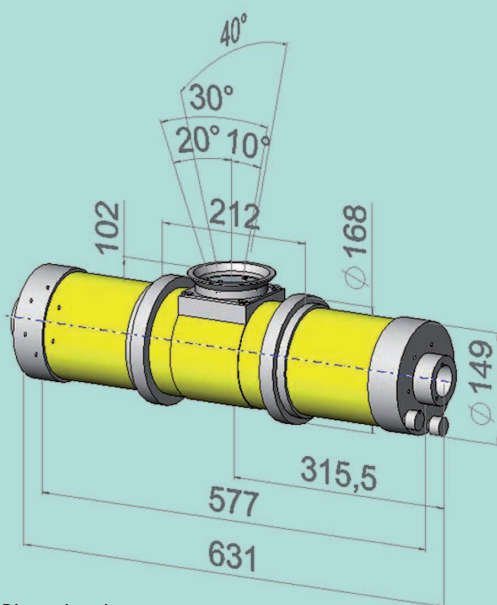


Y.TU 320-D05

Bipolar metal-ceramic X-ray tube



Dimensions in mm

YXLON 320 kV bipolar metal-ceramic X-ray tubes are developed to inspect thick sections of high density material, e.g. iron and steel castings.

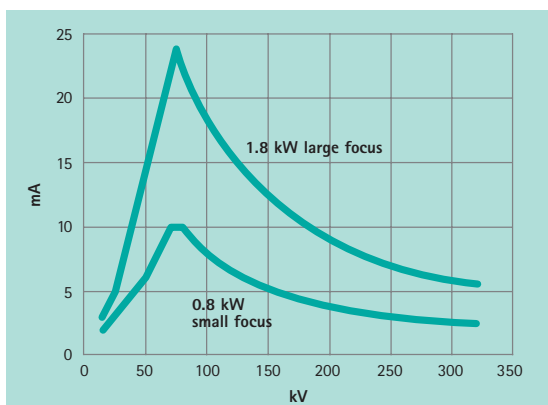
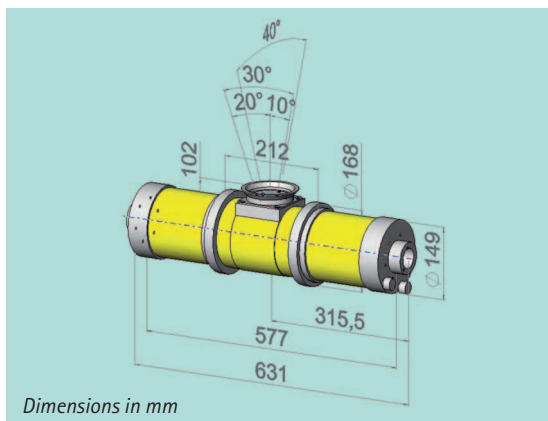
The Y.TU 320-D05 combines very small focal spots with high output. This enables detection of the tiniest flaws and reduces inspection time.

Providing a high level of mechanical and electrical strength YXLON X-ray tubes are both compact and lightweight.

Together with the YXLON generators, power supplies and control units the X-ray tubes form powerful systems, setting the standards in efficiency, reliability and lifecycle

YXLON. The reason why.

- high penetration power
- small focal spot size
- long lifecycle
- high reliability
- extensive service



Loading data: Shown are the max. permissible anode currents. Within the X-ray system these anode currents may be limited by power suppliers or generators.

Max. tube voltage	320 kV
Focal spot size (acc. EN12543)	0.4 mm / 1.0 mm
Max. power (small / large focus)	0.8 kW / 1.8 kW
Max. tube current at 320 kV	2.5 mA / 5.6 mA
Emergent beam angle	40° x 30°
Inherent filtration¹	3.0 mm Be + 4 mm Al + 0.5 mm Cu
Leakage radiation²	< 5.0 mSv/h
Coolant	Oil
Max. inlet temperature	50 °C
Min. flow rate	14 l/min
Environmental conditions	
Operation temperature	0 °C...+40 °C
Storage temperature	-25 °C...+70 °C
Relative humidity	
- Operation	90%
- Storage	95%
Weight	40 kg
H.V. connection³	Flange R12
Order no.	9421 172 32303

¹ Al-filter removable by using tools; Al-filter acc. DIN 54113 and SSI FS1989:2; Cu-filter enclosed

² Measured at 1.0 m distance from the focal spot with X-ray port closed and X-ray tube operating at full load.

³ Quick-lock adapter available