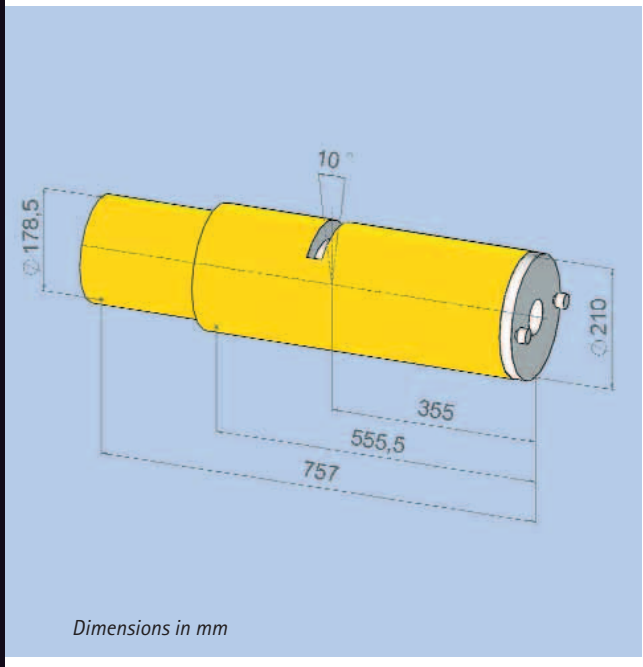
Y.TU 450-F02
Bipolar metal-ceramic X-ray tube



Dimensions in mm

YXLON 450 kV bipolar metal-ceramic X-ray tubes are developed to inspect thick sections of high density material, e.g. iron and steel castings.

Y.TU 450-F02 is especially suited for the inspection of larger objects in one pass without having to reposition the X-ray tube.

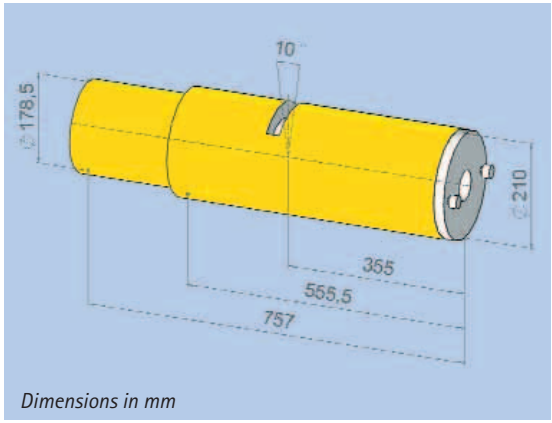
Providing a high level of mechanical and electrical strength YXLON X-ray tubes are both compact and lightweight.

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

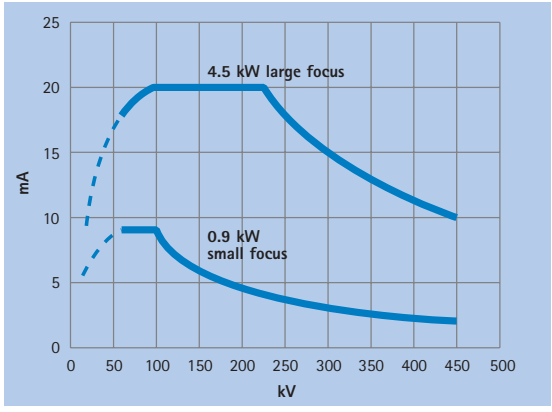
YXLON. The reason why.

- **high penetration power**
- **long lifecycle**
- **high reliability**
- **extensive service**

YXLON.Products



Dimensions in mm



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	450 kV
Focal spot size (acc. EN12543)	2.5 mm / 5.5 mm
Max. power (fine / standard focus)	0.9 kW / 4.5 kW
Max. tube current at 450 kV	2 mA / 10 mA
Emergent beam angle	90 ° x 10 °
Inherent filtration	2.3 mm Fe + 1 mm Cu
Leakage radiation[1]	< 5 mSv/h
Coolant	Oil
Max. inlet temperature	50 °C
Min. flow rate	14 l/min
Enviromental Conditions	
Operation temperature	0 °C...+40 °C
Storage temperature	-25 °C...+70 °C
Relative humidity	
- Operation	95 %
- Storage	95 %
Weight	95 kg
H.V. connection	Flange R28
Approval	NF C74-100
Order No.	9421 172 33253

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

Data subject to change without notice.
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