

Bone Density Calibration Phantom (6 rods)

The QRM-BDC-Phantom allows a direct HU vs. HA calibration with respect to a bone mineral density evaluation by quantitative computed tomography.

The QRM-BDC/6 Phantom houses six 18 mm diameter cylindrical inserts each providing 0, 100, 200, 400, 600 and 800 mg HA / cm³ (specified BMD), respectively.

The Phantom can be directly placed under an object to evaluate the bone mineral content of the object by quantitative CT.

As base material of the six inserts **CTWATER®** is used. **CTWATER®** is a solid water equivalent plastic offering the same X-ray attenuation properties as real water.

The shape of the phantom is slightly bended for an adequate fit under the object of interest.

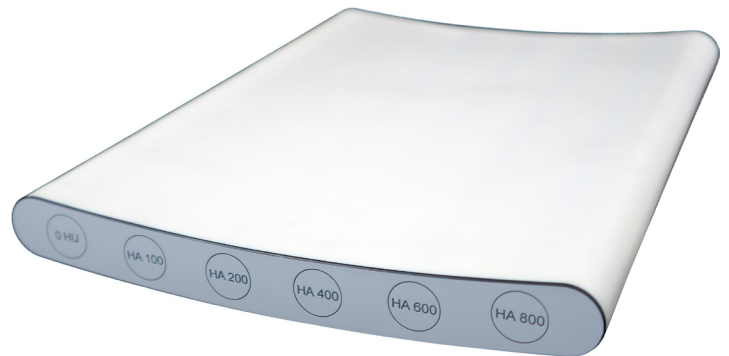
The phantom has a standard length of 200 mm, but is available in other lengths as well. The phantom is also fully customizable and can be adapted to your needs. Please contact us to learn more.

The phantom comes along with a datasheet displaying the calibrated hydroxyapatite values of each insert.

Technical Specifications:

Phantom material:	resin (soft tissue equivalent)
Overall dimensions:	
Width x Height	225 mm x 25 mm
Length:	up to 700 mm
Inserts Ø:	Ø 18 mm
Inserts L:	up to 700 mm
BMD:	0, 100, 200, 400, 600 & 800 mg HA/cm ³

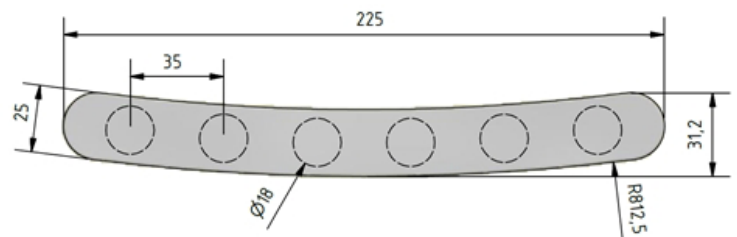
Other dimensions and design upon request:
info@qrm.de



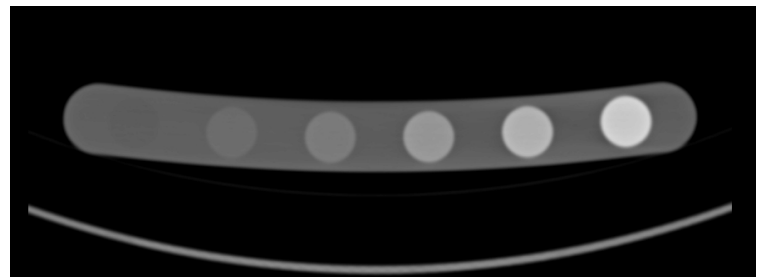
QRM-BDC/6 Phantom



QRM-BDC/6 Phantom 700 mm long



schematic drawing of the phantom



X-ray scan at 120 kV