

# Micro-CT HA

**A Phantom for calibrating CT-values.  
The five inserts provide most favorable  
density of CaHA for in-vivo or in-vitro  
Micro-CT bone calibration.**

A Phantom housing five cylindrical inserts containing various densities of CaHA (calcium hydroxyapatite). The phantom can be used for bone density calibration purposes as well as high contrast resolution evaluations.

The standard phantom is scaled down from the diameter of an average human trunk (32 cm) to that of a fat mouse or lean rat (32 mm).

*Other diameters and HA quantities upon request!*

## Specifications

HA-concentrations of the five cylindrical inserts:

	mg HA/cm <sup>3</sup> *	$\rho$ g/cm <sup>3</sup> *
HA 0	0	1.13
HA 50	50	1.16
HA 200	200	1.26
HA 800	800	1.65
HA 1000	1000	1.78

*\*Actual values vary slightly with charge and will be specified for each delivered item.*

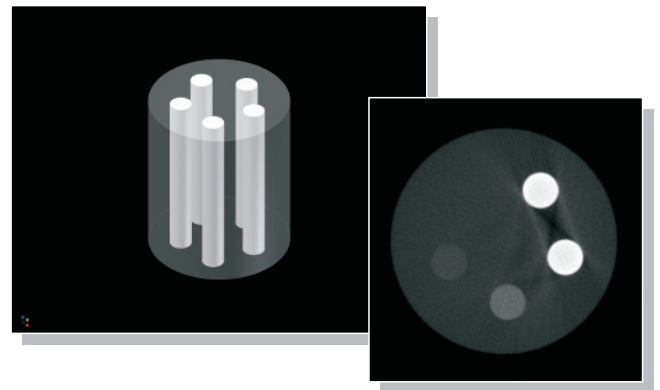
Base material ..... resin  
Diameter of inserts ..... 5 mm  
Diameter ..... 32 mm  
Length ..... 38 mm  
Weight ..... 35 g

## References:

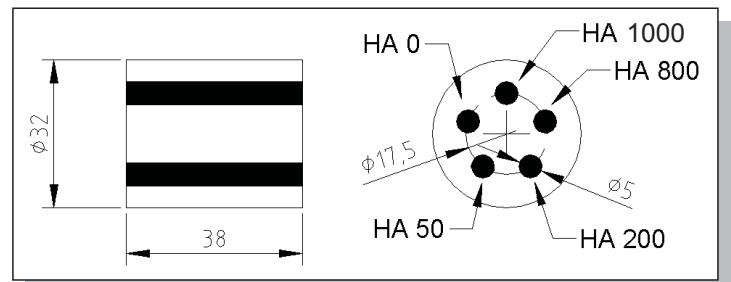
[1] Kalender, W., Durkee, B., Langner, O., Stepina, E., Karolczak, M.: Comparative Evaluation: Acceptance Testing and Constancy Testing for Micro-CT Scanners. Biomedizinische Technik 50 (2005), 1192-1193



Micro-CT HA Phantom



5 inserts of different CaHA quantities



Schematic drawing of the Phantom