

# 3D Heel Phantom For DXA Scanners

*Tissue Equivalent, Variable Calcaneal Densities*

The Model 027 includes 10 calcaneal inserts of varying mineral densities which permit examination of the calcaneus.

The foot itself is made of epoxy resin to simulate muscle soft-tissue.

Phantom is tissue equivalent at diagnostic x-ray energies.



**Model 027**

## Features

- Foot with soft tissue which simulates muscle
- 5 calcaneal inserts which simulate H<sub>2</sub>O
- 5 calcaneal inserts which simulate 200 mg/cm<sup>3</sup> density in H<sub>2</sub>O matrix

# Model 027 Specifications

MATERIAL: Epoxy Resin

AREA OF INSERT SIDE PROJECTION:  $9.35 \pm .1 \text{ cm}^2$

THICKNESS OF EACH INSERT: 5 mm

BONE INSERT DENSITY:  $200 \text{ mg/cm}^3$

## THE PHANTOM CAN ACCOMMODATE 5 INSERTS

NUMBER OF INSERTS			
BONE	H <sub>2</sub> O	=	BMD mg/cm <sup>2</sup>
0	5	=	0
1	4	=	100
2	3	=	200
3	2	=	300
4	1	=	400
5	0	=	500