

PH-76 | 41301-300 (Two-way set) / 41301-500 (Mouth closed) / 41301-400 (Mouth open)

Dental Radiography Head Phantom Two-way set



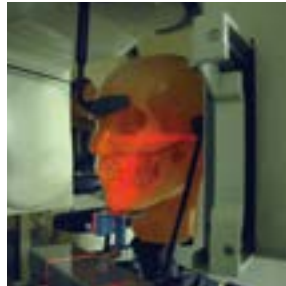
Open / closed mouth options and removable tongue allow a variety of application for training and research



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FEATURES APPLICATIONS

- | Separately modeled each tooth has a three-layer structure of enamel, dentin and pulp cavity
- | Each hard tissue (enamel, dentin, cortical bone and cancellous bone) has a particular HU number and X-ray absorption rate
- | Jaws and tongue are detachable to allow access to the oral cavity, pharyngeal cavity and maxillary sinus. Censors, simulated lesions, or residue can be set in these cavities
- | Carotid arteries are prepared as lumens to accommodate simulated calcifications

- | Dental radiography panoramic (41301-500) intra-oral (41301-400)

ANATOMY and PATHOLOGY

Synthetic skull with

- nasal cavity, maxillary sinus, mandible alveolar, maxillary alveolar, cervical vertebrae and hyoid bone, teeth with enamel, dentin and pulp cavity.
- Tongue, oral cavity, pharyngeal cavity and carotid arteries

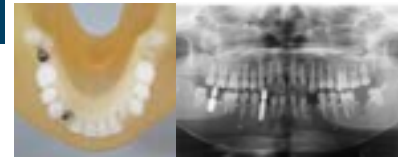
DESCRIPTIONS

SET INCLUDES	
1 main head unit	1 fixation base (including screws)
1 upper jaw (alveolar bone)	1 tripod
1 lower jaw (alveolar bone)	1 set of sample X-ray data (DVD)
1 tongue	1 storage case
	manual

SPECIFICATIONS	
Phantom size: W20 x D21 x H25 cm W7.8 x D8.2 x H9.8 in	Packing size: W66 x D54 x H34 cm W44 x D21 x H13.3 in
Phantom weight: 4.8 kg / 10.6 lb	Packing weight: 12 kg / 26.4 lb

MATERIALS
Soft tissue: urethane based resin (density: 1.06)
Synthetic bone: epoxy resin (density: 1.31)

OPTIONAL PARTS
41301-200-01 lower jaw with implant *mouth closed type



PUBLICATION REFERENCES Kitai N, Mukai Y, Murabayashi M, Kawabata A, Washino K, Matsuoka M, Shimizu I, Katsumata A. Measurement accuracy with a new dental panoramic radiographic technique based on tomosynthesis. Angle Orthodontist. 2013; 83, No 4. Read more: <http://www.ncbi.nlm.nih.gov/pubmed/22612390>