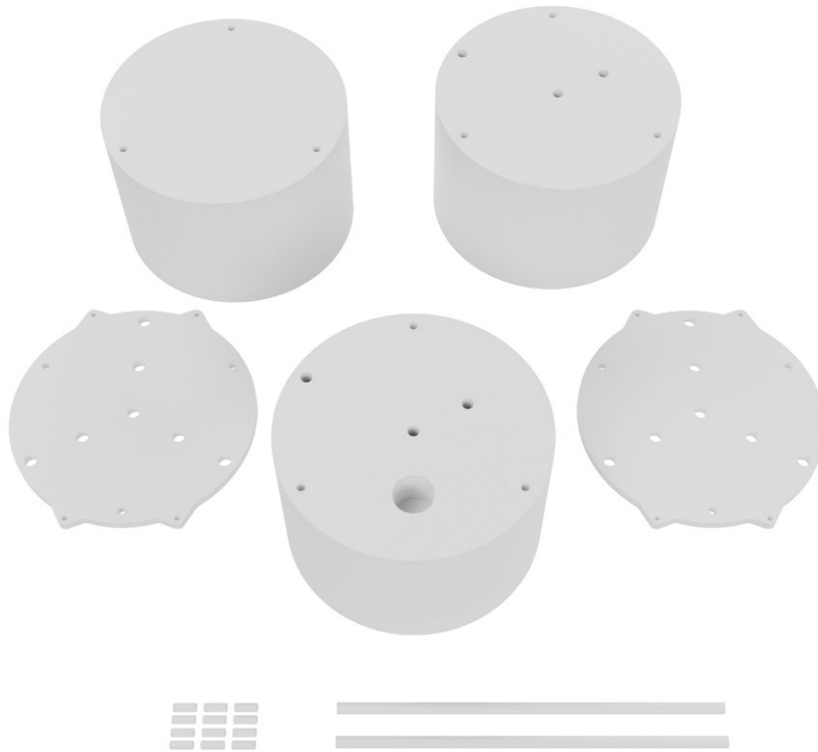




Pro-CT Dose AAPM TG-200 / Pro-CT Dose ICRU 87

04-220



This phantom is **designed according to ICRU 87 report and AAPM TG-200 specifications.**

The phantom comprises high-density polyethylene (mass density of 0.97 g/cm³) and is 300 mm in diameter. The total length of the phantom is 600 mm. **This allows capturing the majority of the scattered radiation and gives more accurate results than standard PMMA cylinders** – 150 mm long, 320 mm in diameter.

Due to the large mass of the phantom, it is manufactured in three separate sections. In order to keep these sections aligned, alignment pegs are included in the design.

Technical data (can be modified to customer specifications):

- total dimensions: diameter 300 mm, length 600 mm
- made of high-density polyethylene
- built of 3 separate 200 mm sections:
 - cable section (A) contains three holes Ø13.1 mm where detector cable rests during measurements
 - functional section (B) contains three holes Ø13.1 mm for positioning CT detector and Ø44.45 mm, 50.8 mm deep hole for MTF (modular transfer function) calculation
 - blank section (C) is free of any structures that can be used for noise power spectrum (NPS) evaluation
- 2x 12 mm thick polyethylene end cups to keep all modules together
- 2x 420 mm long polyethylene filler plugs to fill unused holes
- additional polyethylene rod to help center the probe tip in the middle section
- 12x locating plugs to help in correct phantom assembly
- engraved markings on phantoms for easier positioning
- carrying case with a trolley



Product features:

- complies with:
 - ICRU report 87
 - AAPM TG-200
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration

