

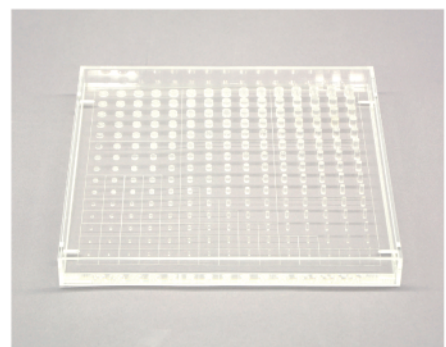
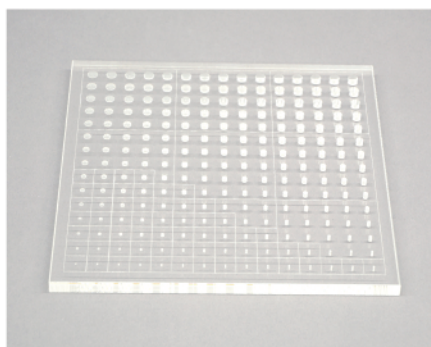
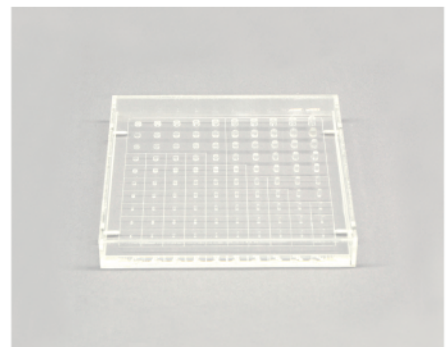
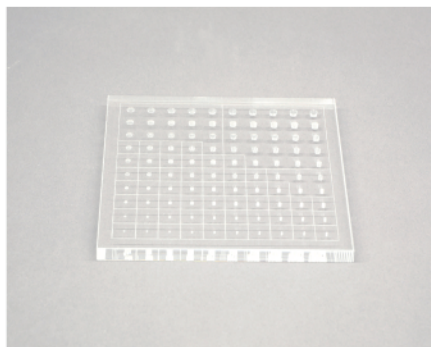
Contrast Detail Phantom

Hole 10 • Rod 10 • Hole 15 • Rod 15 type

Instruction Manual

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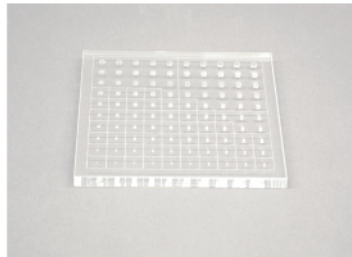


Strenghts

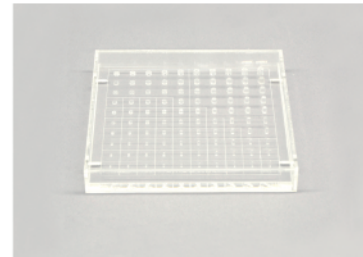
By using the Contrast Detail Phantom as a subject, it is possible to visually assess the ability to detect the signal depending on the scanning conditions. You can place acrylic or other materials as scattering materials, compare the results with clinical images and assess their correlation to determine the ideal scanning conditions. It is important to set a clear goal before choosing the scattering material and scanning conditions.

Phantom types

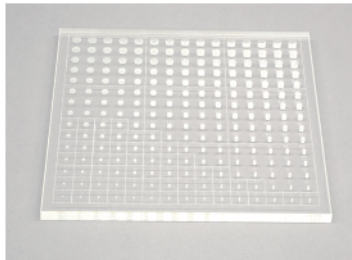
There are four types of Contrast Detail Phantoms as seen on the right.



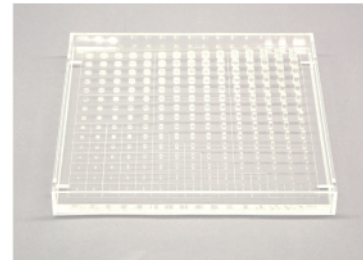
Hole 10 type



Rod 10 type



Hole 15 type



Rod 15 type

⚠ caution

● **Handle the manikin and the components with care.**

As the material is from hard resin, please refrain from dropping it or to hit it with a hard object.

● **Only use water or neutral detergent to wipe the phantom.**

Never use organic solvents such as paint thinner to clean the phantom.

● **Please keep away from high temperature and humidity.**

After use please store it in a cold and dry space away from the sun, to prevent deformation or the malfunction of the phantom.

● **Don't use felt pen or marker on this phantom.**

· In this case the ink could leave stains on the phantom.

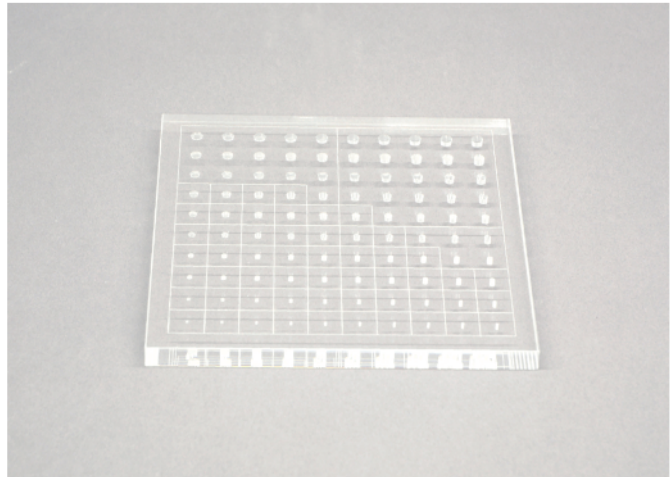
Specification of the phantom

Hole 10 type

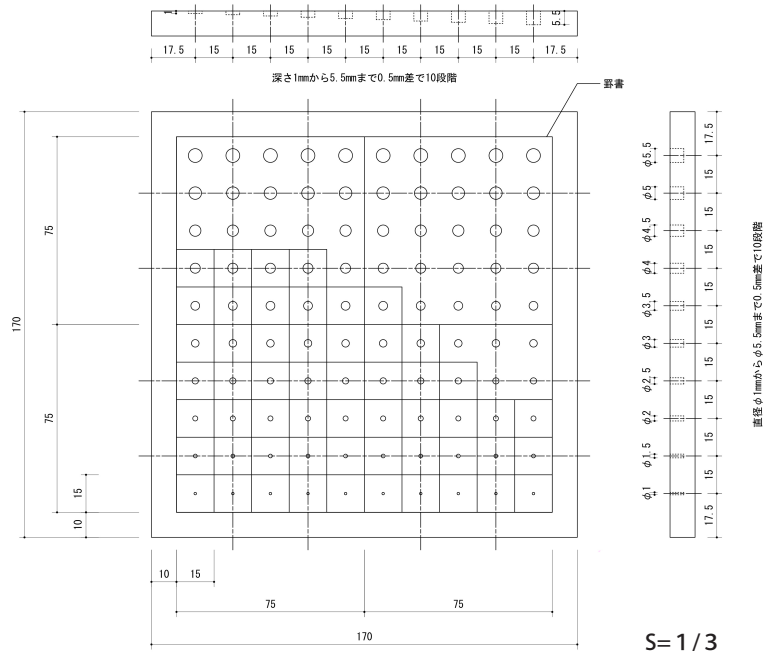
Material : Acrylic resin composition

Dimensions : 170 × 170 × t10 mm

Specification : 100 holes on 10 levels with a depth range from 1.0 to 5.5 mm (0.4 to 2.2 in) and 0.5mm difference.



Specification chart



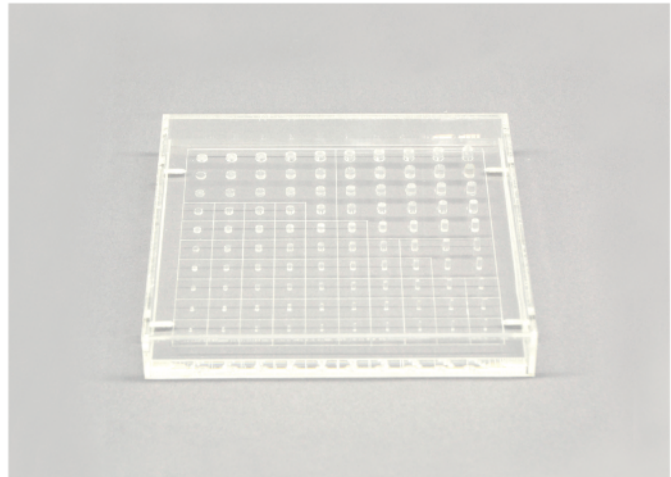
Specification of the phantom

Rod 10 type

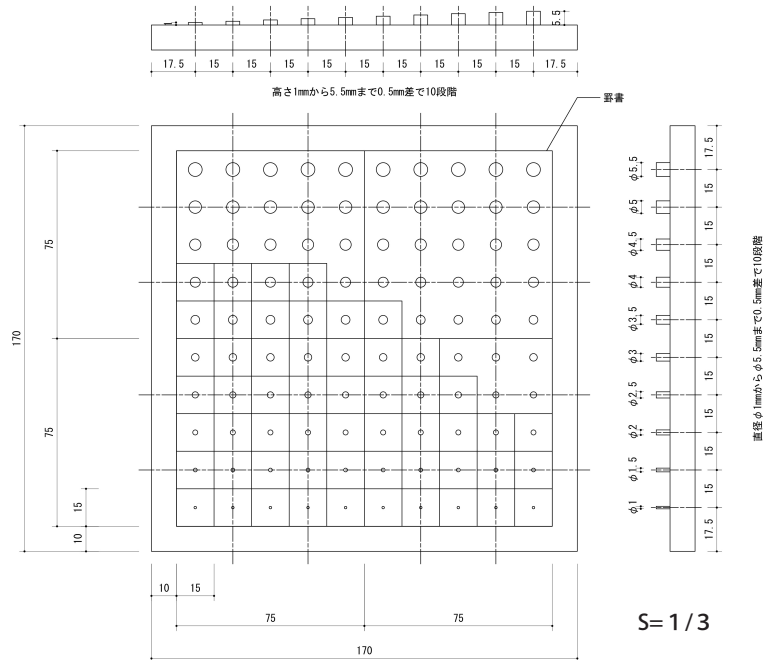
Material: Acrylic resin composition

Dimensions : 170 × 170 × t10 mm

Specification : 100 rods installed on 10 levels with a height range from 1.0 to 5.5 mm (0.4 to 2.2 in) and a difference of 0.5mm.



Specification chart



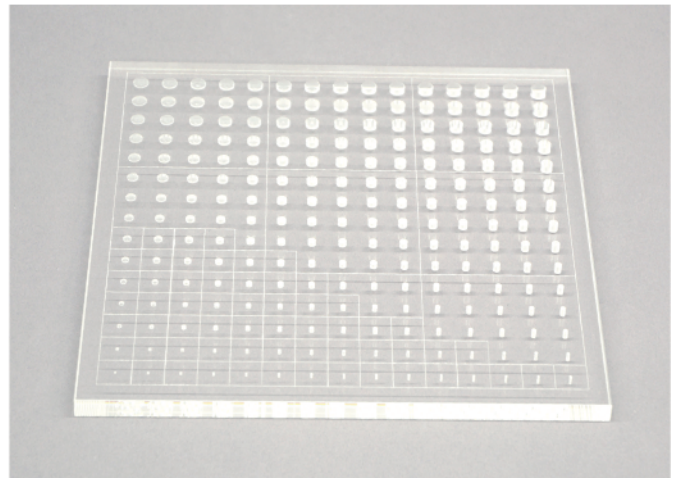
Specification of the phantom

Hole 15 type

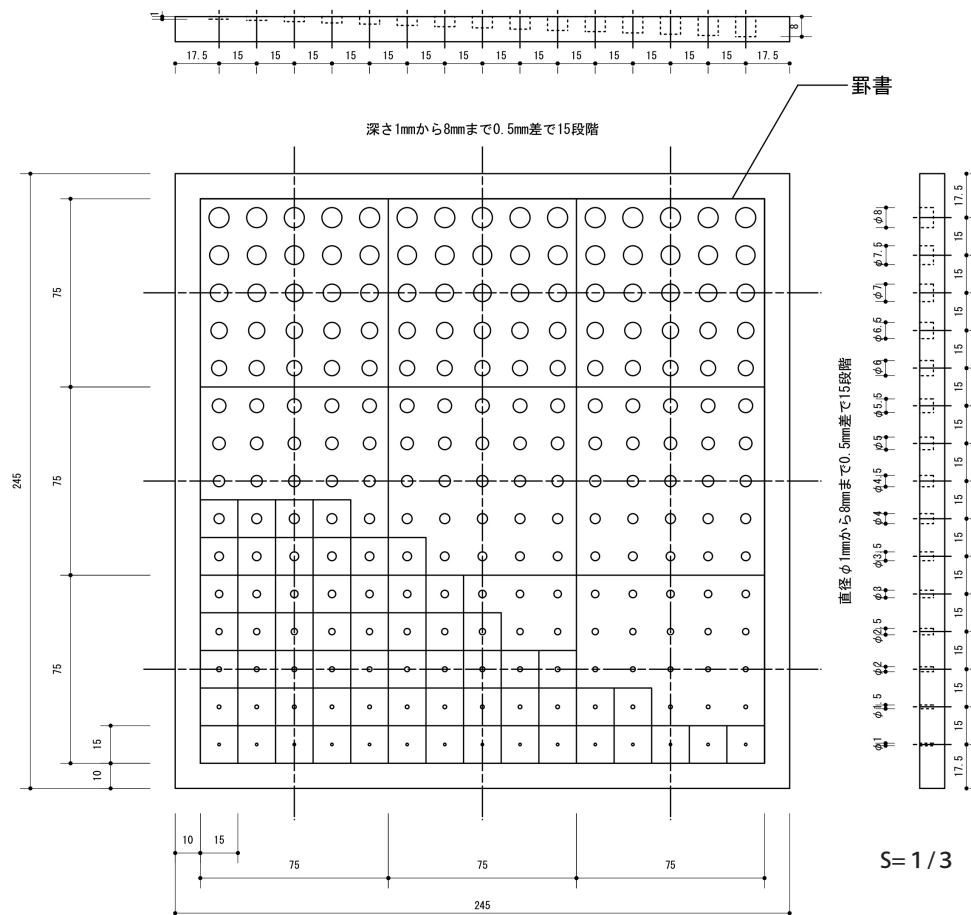
Material: Acrylic resin composition

Dimensions : 245 × 245 × t10 mm

Specification : 225 holes on 15 levels with a depth range from 1.0 to 8.0 mm (0.4 to 3.1 in) and a difference of 0.5mm.



Specification chart



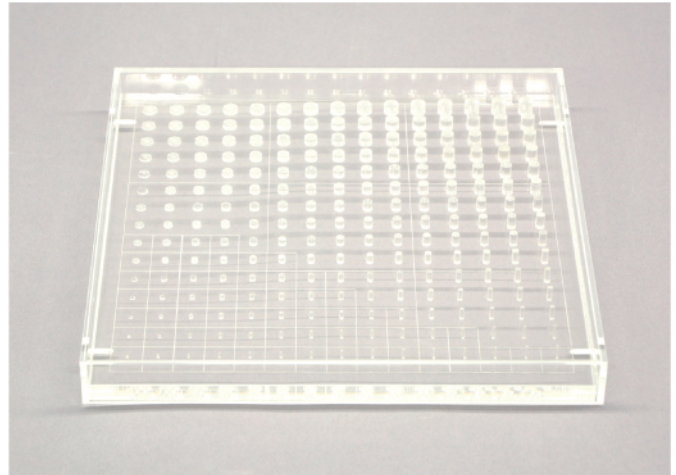
Specification of the phantom

Rod 15 type

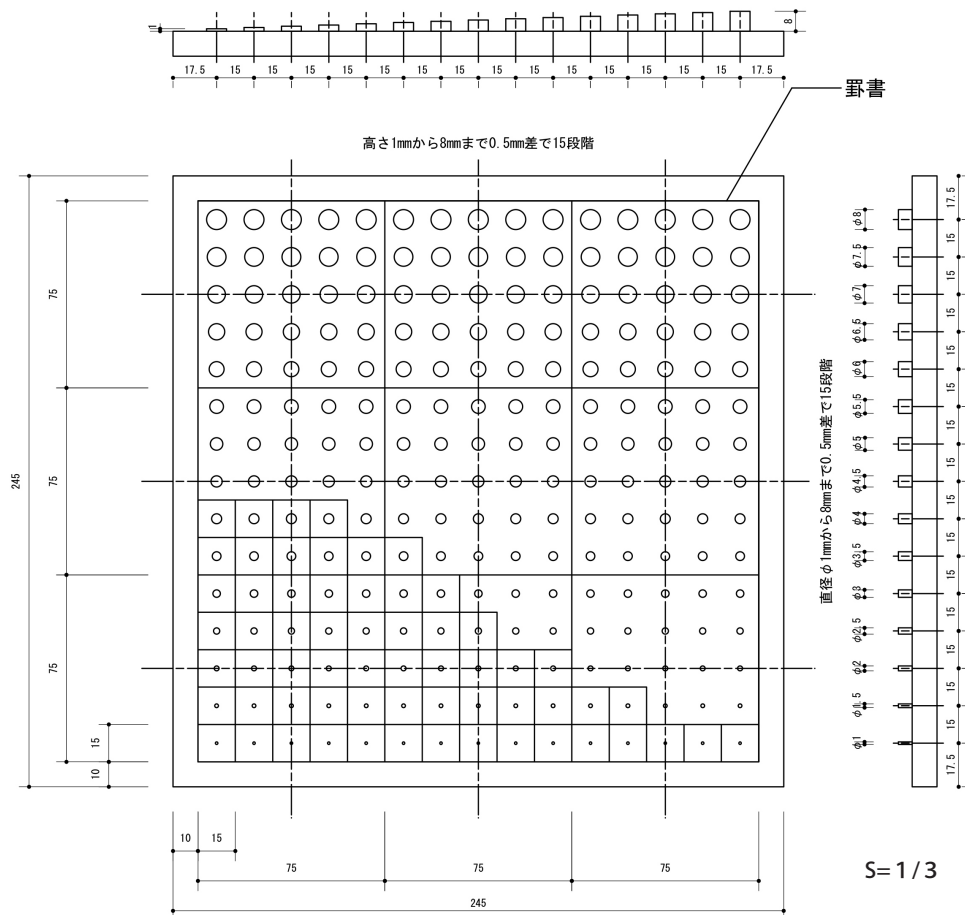
Material: Acrylic resin composition

Dimensions : 245 × 245 × t10 mm

Specification : 225 rods installed of 15 levels with a height range from 1.0 to 8.0 mm (0.4 to 3.1 in) and a difference of 0.5mm

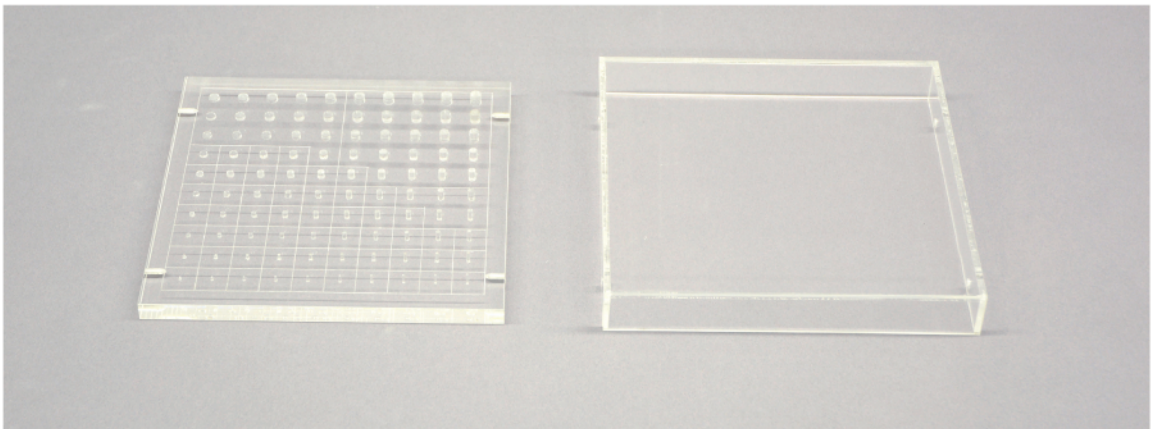
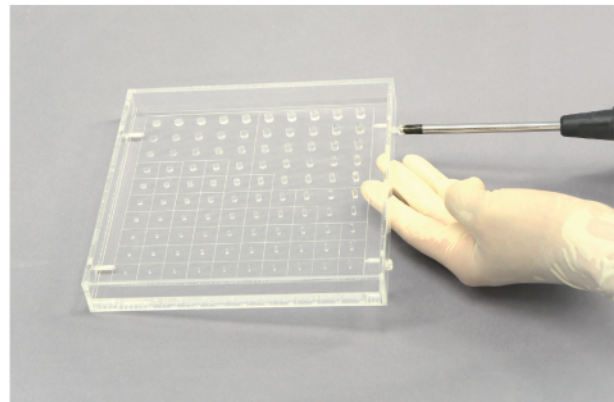
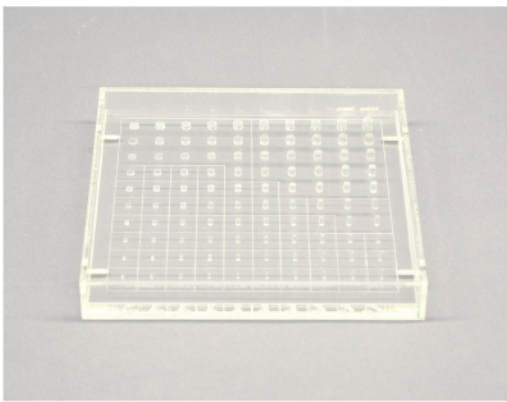


Specification chart



Notice

In order to preserve the protrusion of the 10 and 15 convex models, an acrylic plate has been installed. There is no need to take the cover off. It can however be removed by undoing the 4 screws with a Phillips screwdriver.



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