

Resolution-Spirit

CACTUX
phantoms

Set of universal CT phantoms suitable for both nanoCT and microCT systems that allows for precise spatial resolution estimation according to ASTM E1695-95 standard. Resolution-spirit suits variable Field of View (FOV) limits and high precision requirements.



4 size options



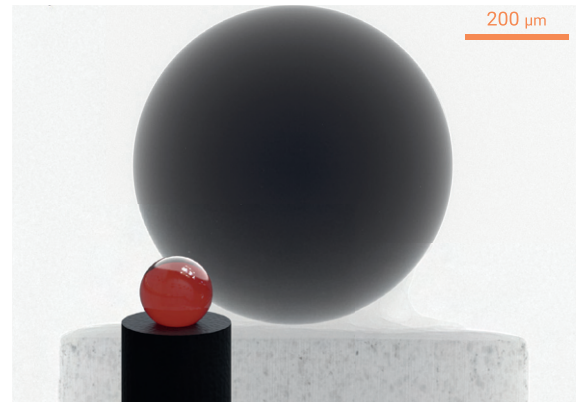
Quick and easy use



< 1 μm to > 10 μm voxel
size CT applications



Accordance to ASTM
E1695-95 standard



Radiogram of the phantom

Carbon-fiber-reinforced carbon rod




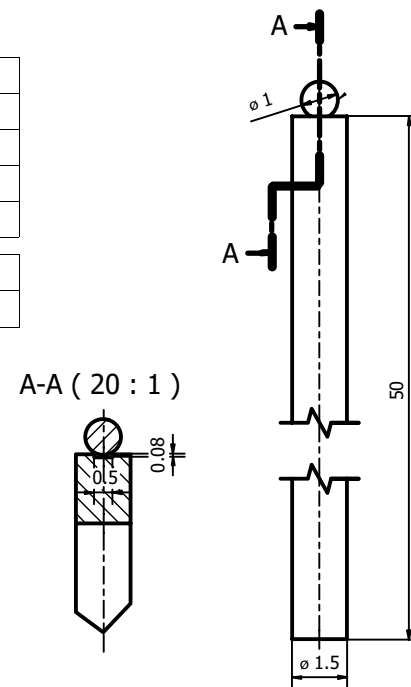
Parameters of Resolution-Spirit

| Phantom | I | II | III | IV |
|----------------------|------|------|------|------|
| Ball diameter* [mm] | 0.5 | 1.0 | 2.5 | 5.0 |
| Max. FOV width [mm] | 1.0 | 2.0 | 5.0 | 10.0 |
| Holder diameter [mm] | 1.5 | 1.5 | 3.0 | 5.0 |
| Holder length [mm] | 50.0 | 50.0 | 50.0 | 50.0 |

| | |
|---|---|
| Used materials | Ruby, carbon |
| Spatial resolution estimation procedure | Any image-processing software for CT data |

Standard Package

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|---|--|
|  | Resolution-Spirit (set of 4 CT phantoms) |
| Manual | |
| Description of spatial resolution estimation methodology | |



*all dimensions are in mm