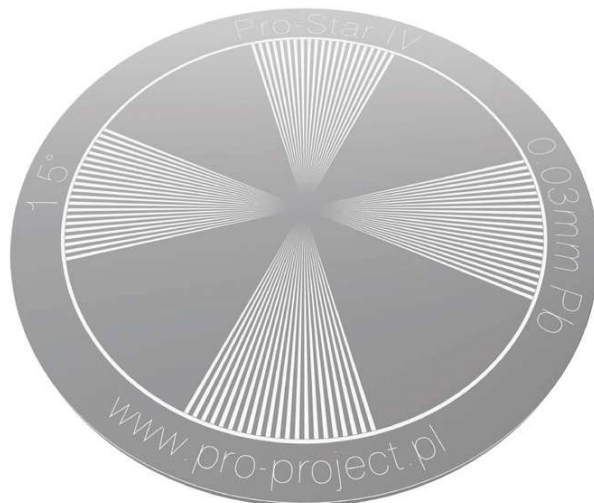




# Pro-Star

- 05-601 - Pro-Star version I
- 05-602 - Pro-Star version II
- 05-603 - Pro-Star version III
- 05-604 - Pro-Star version IV
- 05-605 - Pro-Star version V
- 05-606 - Pro-Star version VI
- 05-607 - Pro-Star version VII



With Pro-Star test Patterns **focal spot size can be determined by observing the regions of blurring which occur when the pattern is radiographed by an x-ray source of finite dimensions.**

Radiation from different areas of the focal spot will cause a periodic blurring of the pattern due to penumbra effects. Knowledge of the geometric factors, and the distance from the center of the pattern to the region where blurring occurs, will permit the calculation of the focal spot size with the same accuracy as measurements made with a pinhole camera.

## Technical data (can be modified to customer specifications):

- Dimension: 55mm diameter
- The following versions are available
  - I**: For measuring focal spots from 0.1 to 0.3 mm.  
It has four 15° patterned sectors with a 0.5° angle of a single line within a sector.  
Lead-foil thickness: 0.03 mm.
  - II**: For measuring focal spots from 1 mm and up.  
It has four 45° sectors with a 2° angle of a single line within a sector.  
Lead-foil thickness: 0.05 mm.
  - III**: For measuring focal spots from 0.3 to 0.6 mm.  
It has four 28° patterned sectors with a 1° angle of a single line within a sector.  
Lead-foil thickness: 0.03 mm.
  - IV**: For measuring focal spots from 0.8 to 1.5 mm.  
It has four 35° patterned sections with a 1.5° angle of a single line within a sector.  
Lead-foil thickness: 0.03 mm.
  - V**: For measuring focal spots from 0.1 to 0.3 mm.  
It has four 45° patterned sectors with a 0.5° angle of a single line within a sector.  
Lead-foil thickness: 0.03 mm.
  - VI**: For measuring focal spots from 0.1 to 0.3 mm.  
It has four 15° patterned sectors with a 25° angle of a single line within a sector.  
Lead-foil thickness: 0.03 mm.
  - VII**: For measuring focal spots from 1 mm and up.  
It has one 360° patterned sector with a 2° angle of a single line within a sector.  
Lead-foil thickness 0.05 mm.

## Product features:

- complies with:
  - IEC 60336:2005
  - IEC 61223-3-1, 2, 4
- the Manual provides detailed guidelines for carrying out each test, results assessment and registration

