



Slit Screen for neutrons 3002.90M

General Information

Special slit screen for neutron applications.

Frequently used for beam shape on the primary beam side.

Technical Details:

Stepper motors mounted on the outside of the housing drive the blades via precise levers.

The maximum aperture size is 10 mm x 20 mm. The device is equipped with limit switches to prevent collision and damage when opening or closing.

The housing is made from aluminium and its inside is coated with Cd²O² double density paint.

Blades

The following slit edges are available:

- A)  (Standard)
- B) 
- C) 

Specifications

Aperture horizontal[mm]:	0-10
Aperture vertical[mm]:	0-20
Adjustment:	symmetric
Limit switches:	included
Zero Point:	with precision switch
Weight [kg]:	6kg
Spindle pitch[mm]:	0,5
Gear factor:	1:1
Resolution [μm]:	2
Repeatability[μm]:	4

Material:

Housing: Aluminium inside coated with $\text{Cd}^{2+}\text{O}^{2-}$ double density paint

Blades: Boraluminium (B4C on request) 2mm thick*

* other materials available on request

Technical data motor:

Number of phases:	2 (standard) or 5
Wiring:	bipolar
Connectors:	Sub D15
Steps/revolution:	200/400 or 500/1000

