

GRINTECH

Gradient Index Optics

Positioning Unit & Handling Tools



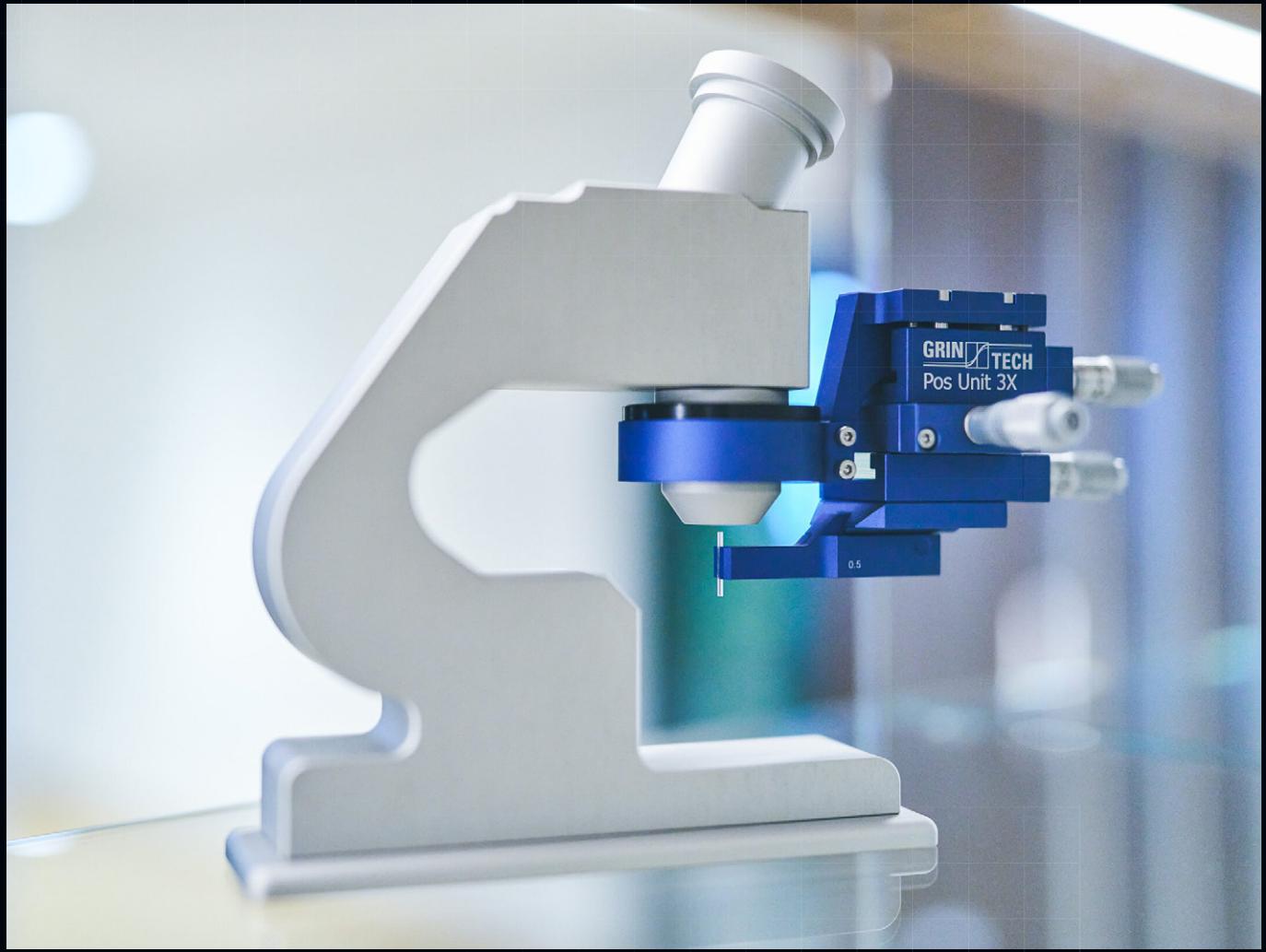
Accurate positioning and easy handling of GRIN microsystems

- 3-axis positioning of GRIN microsystems in relation to a microscope objective
- Bracket for 30 mm microscope objective diameter (standard)
- Adapter rings are available for smaller microscope objective diameters
- Travel: 5 mm in xyz, 10 µm reading accuracy
- Easily pick up and drop GRIN lenses with a snap-on system
- Jaw holder fits exactly to the jaws of the previous model
- Magnetic holder for PosUnit 3X and as a handling tool for all GRIN lenses
- Various prism groove sizes available for diameter: 0.5/0.7/1.0/1.2/1.4 mm
- Elastically mounted snap-in system for easy pick-up, placement and handling of GRIN lenses, which are now guided by a precise axis

Customizable at the customer's request

On request, the following are possible:

- Adapter rings for smaller microscope objective diameters

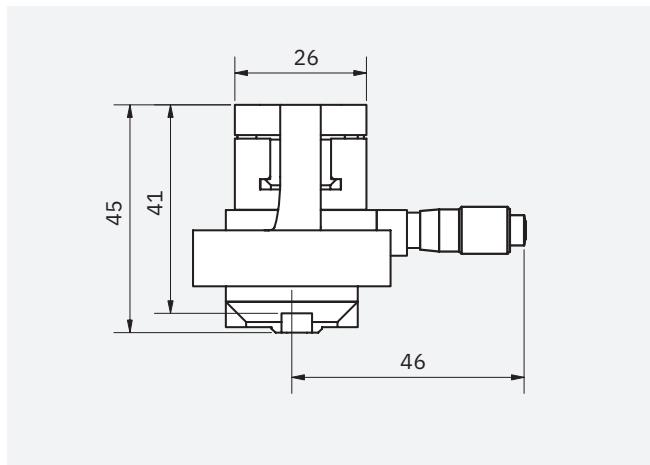
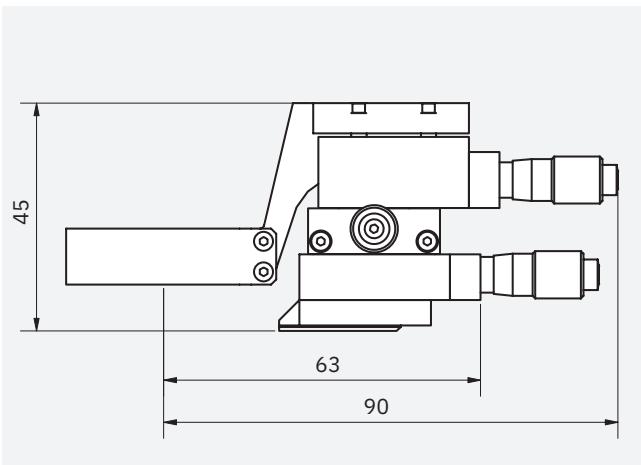


PosUnit 3x for GRIN-Needle Endomicroscopes & High NA Objectives

XYZ Stage and objective mounting to connect and align to microscope objectives

Applications and Properties

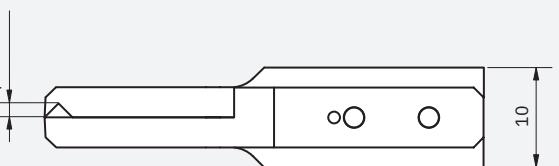
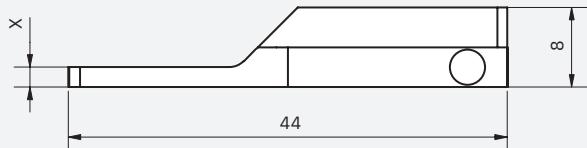
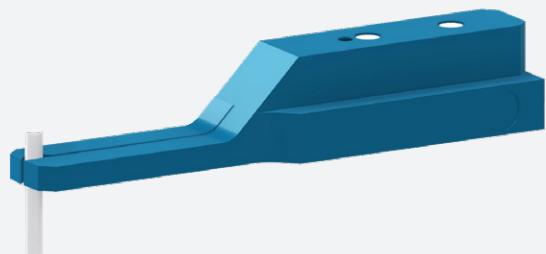
- Holding, handling and three-axis-positioning of GRIN-microsystem relative to microscope objectives
- Mounting for microscope objective diameter 35 mm (standard)
- Smaller microscope objective diameters are possible with assistance of an adapter ring
- Stable and reliable construction of the XYZ-stage
- Adjustment travel: X – 5 mm, Y – 5 mm, Z – 5 mm with scale reading in all axis, bar distance 10 μ m.
- Easy pick and drop of GRIN Lenses with a resiliently mounted snap system
- Jaw seat fits exactly to the jaws of the previous model
- Durable anodized aluminum surface
- Clamping unit not included



Clamping Unit

Applications and Properties

- Holding device for grin lenses to be accommodated within the Pos Unit 3X
- Different prism groove sizes available for
- Diameter: 0.5/0.7/1.0/1.2/1.3 mm
- Different tension heights (x) available: 2/4 mm
- Resiliently mounted snap system for easy pick and drop and handle of GRIN Lenses, now guided by precise axis
- Magnetic holder for PosUnit 3X
- Durable anodized aluminum surface

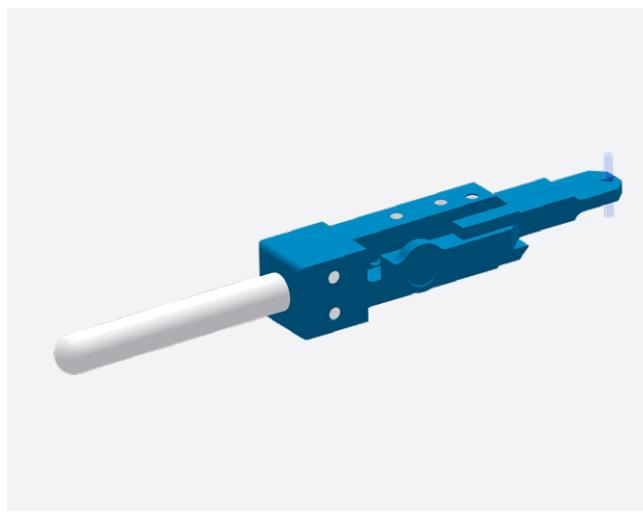


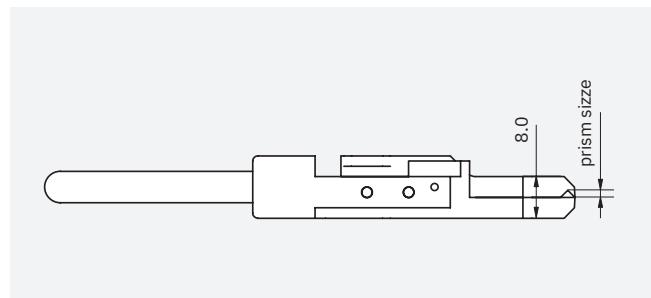
GRIN Lens Gripper for GRIN-Lenses, Needle Endomicroscopes and High NA Objectives

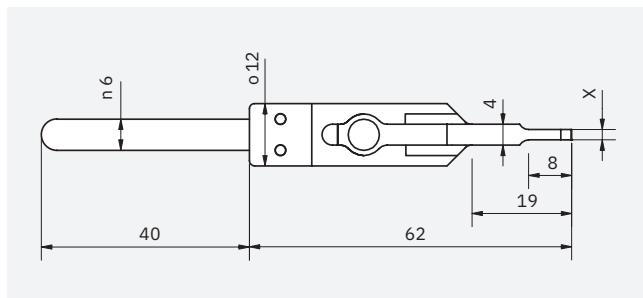
GRIN Lens Gripper

Applications and Properties

- Basic Unit – GRIN Lens Gripper
- Holding device for grin lenses
- Different prism groove sizes available for diameter: 0.5/0.7/1.0/1.2/1.3 mm
- Different tension heights (x) available: 2/4 mm
- Springy-loaded snap system for easy pick up and handle micro-optics
- Durable anodized aluminum surface
- Lens gripper not included



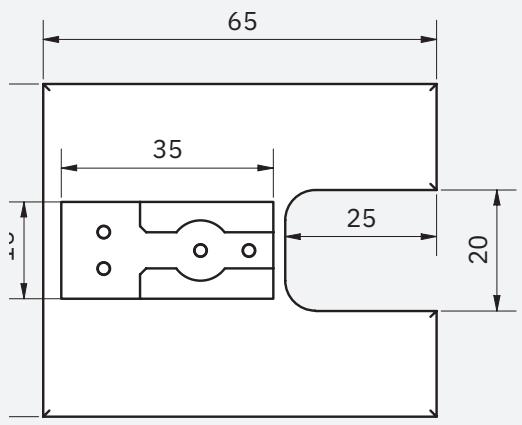
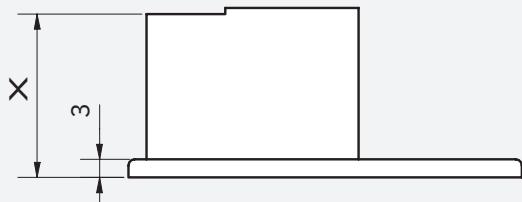




Tool Table Support

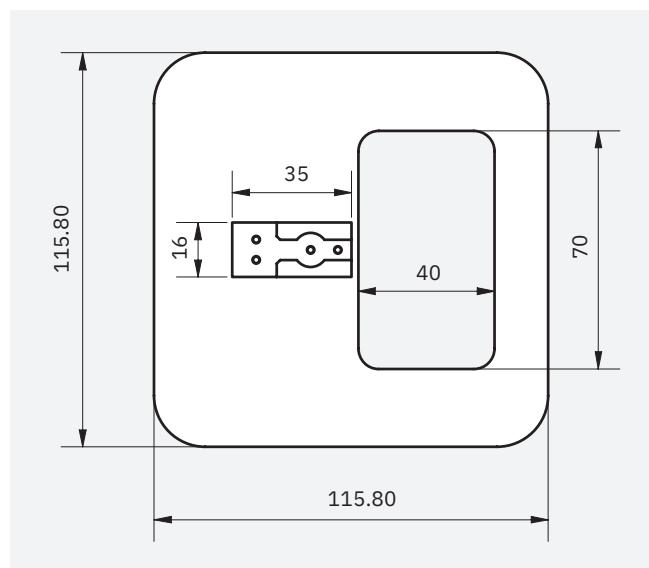
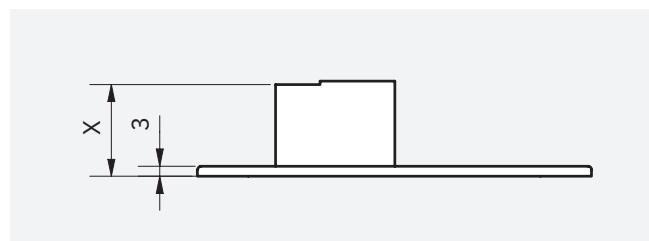
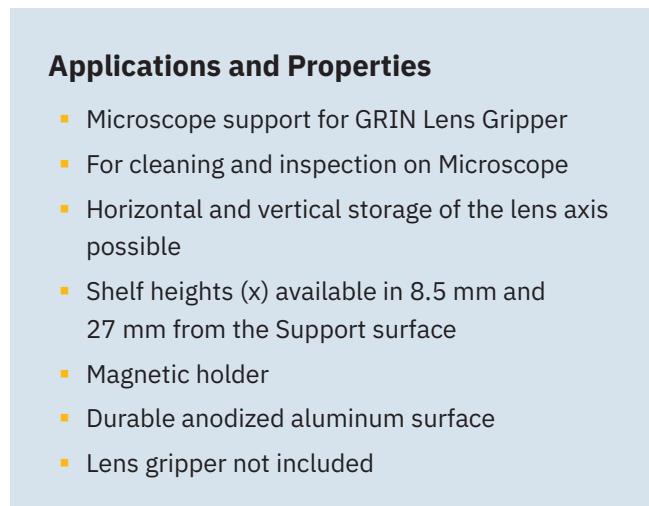
Applications and Properties

- Table support for GRIN Lens Gripper
- For cleaning and inspection on table
- Horizontal and vertical storage of the lens axis possible
- Shelf heights (x) available in 8.5 mm and 27 mm from the table surface
- Magnetic holder
- Durable anodized aluminum surface
- Lens gripper not included



GRIN Lens Gripper for GRIN-Lenses, Needle Endomicroscopes and High NA Objectives

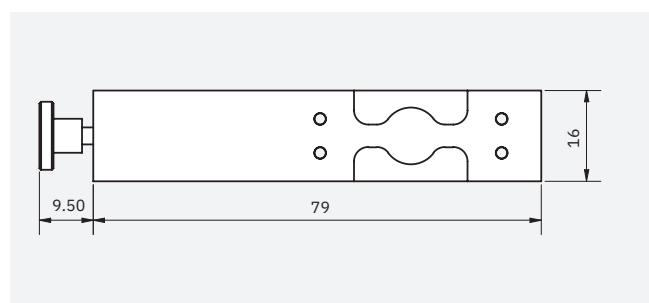
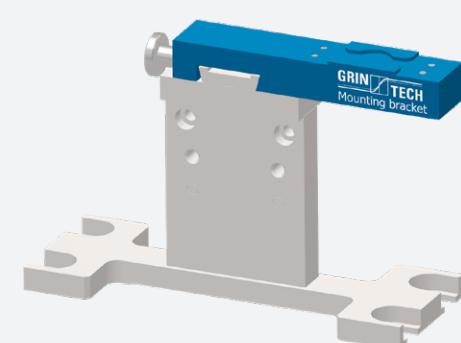
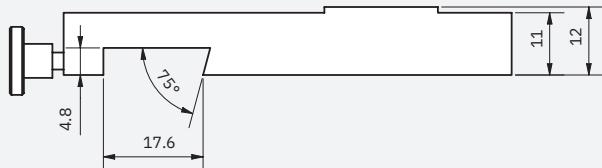
Tool – Microscope support



Tool Mounting Bracket

Applications and Properties

- For mounting GRIN Lens Gripper on Newport ULTRAalignTM system
- Measuring and inspection on Newport
- ULTRAalignTM system
- Magnetic holder
- Durable anodized aluminum surface



Notes

Notes

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Gradient Index Optics

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