

Fiber Coupling Stage

7TF2



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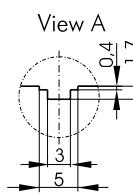
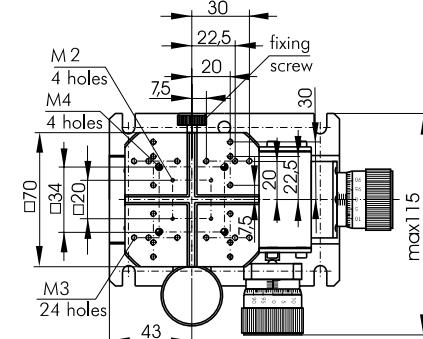
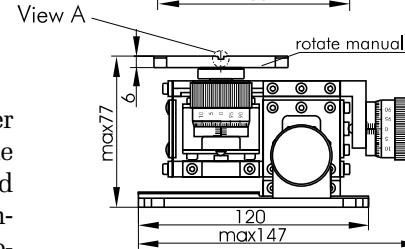
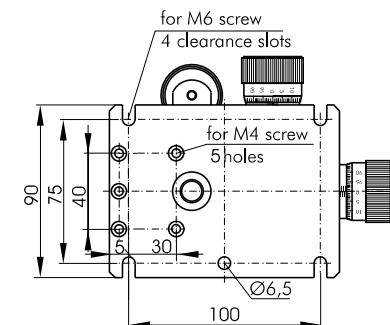
NEW

- Fiber coupling stage of flexure design
- Rotating platform on the top
- Compact block design
- Long-term stability
- Smooth motion

Flexure stages 7TF2 are ideal for high precision device manipulation. This stage suits almost any micropositioning applications range, for example, from fiber launch systems for singlemode, multimode and polarization maintaining fibers as well as waveguide alignment, through to the manipulation of microstructures in bioscience. **Fiber Coupling Stage** of flexure compact block design with high-resolution micrometers ensures long-termed sta-

bility and good stiffness together with smooth motion without the severe limitations of stiction and friction. Flexure stages have a combination of overall size, travel, resolution, and low cost that makes them unique decision to meet the stringent requirements of photonics laboratory applications.

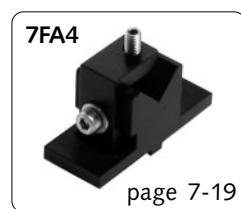
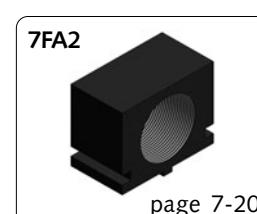
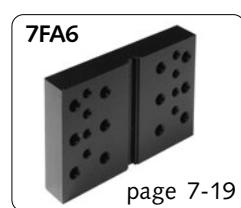
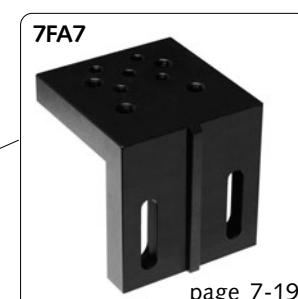
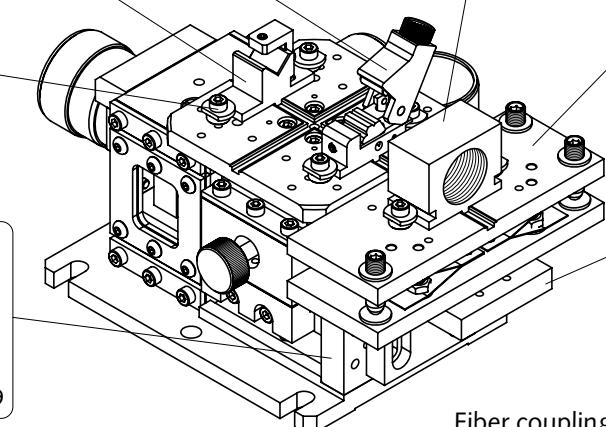
Vacuum compatible versions are delivered **on request**. Also as an option **fiber coupling stage** could be provided with **differential screws**.



7TF2

SPECIFICATIONS

Travel range in each XYZ direction	2mm
Sensitivity	0.2 μ m
Reading accuracy	1.25 μ m (1/2 division)
Cross-Talk	20 μ m/mm
Mechanical stability	flexure design with Stainless Steel Spring
Load capacity	1.5 kg
Weight	1.6 kg

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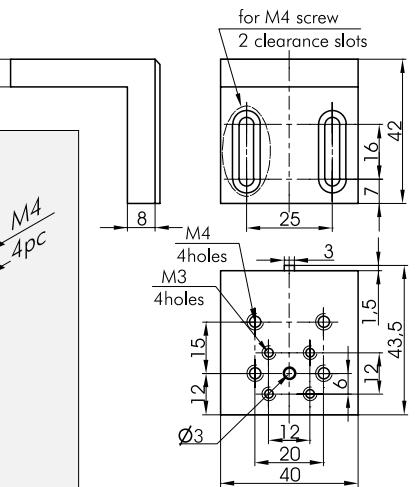
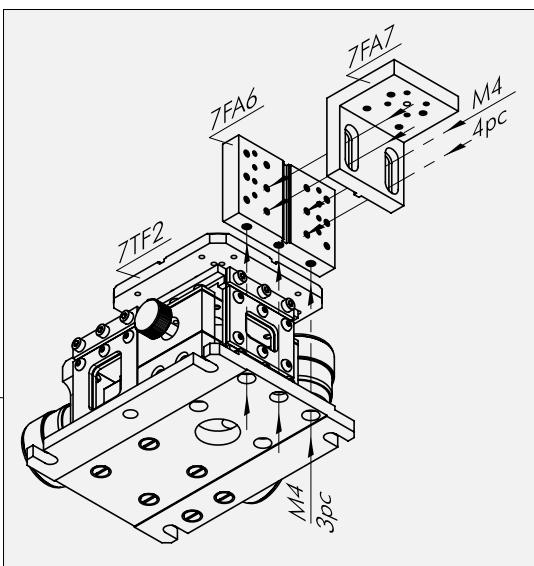
Fiber coupling stage 7TF2 with accessories



Fixed Angle Bracket



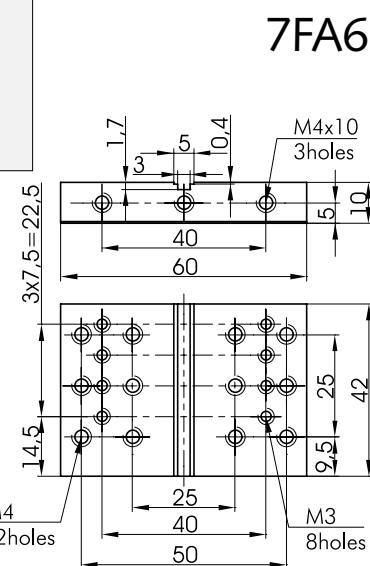
- Compatible with 7TF2



Adapter Plate



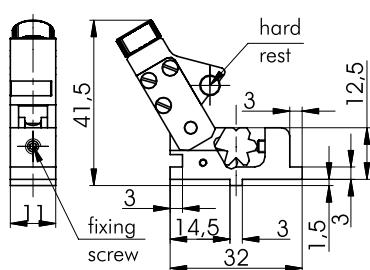
Fixed Angle Bracket 7FA7 is mounted through **Adapter Plate 7FA6** to the fixed part of **Fiber Coupling Stage 7TF2**.



Adjustable Force Fiber Clamp



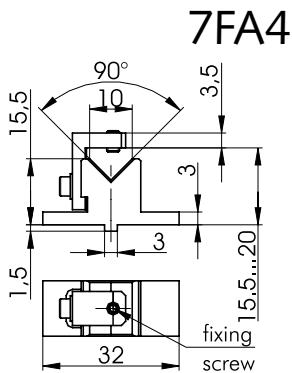
- V-Grooved insert has 5 different V-Grooves and one flat surface
- V-Grooves are suitable for fibers or cylindrical optical elements in the range of 125 µm to 2 mm in diameter
- Adjustable force fiber clamping arm, 20 to 250 g
- Knob on the top is for adjusting the clamping force
- Compatible with 7TF2



Fiber Cable Clamp



- This accessory prevents cabled fiber from being accidentally disturbed.
- Designed for cables fiber of 900 µm - 3 mm diameter
- Compatible with 7TF2



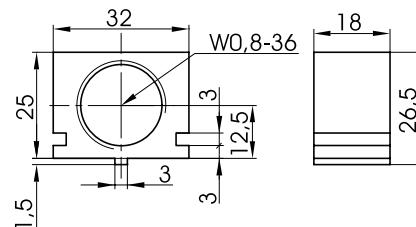


Translation & Rotation Stages

Microscope Objective Holder



- Standard RMS
- Microscope objective thread
- Wide range of micro objectives (see page 10-2)
- Compatible with 7TF2



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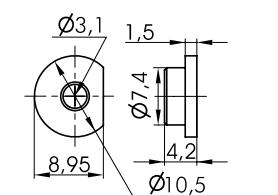


Lock-Down Clamp



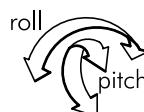
- Compatible with 7TF2

This clamps are used to fix the accessories to the mounting platform of the 7TF2.

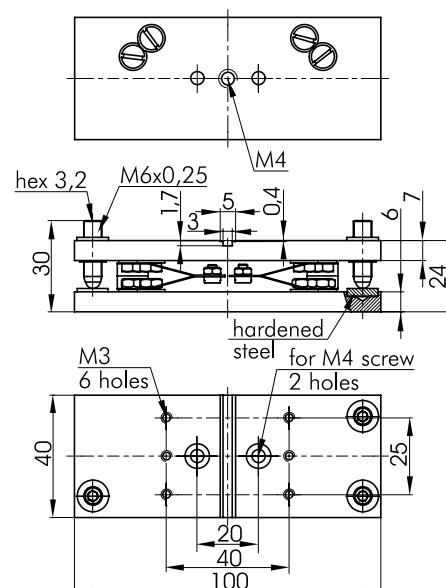


3WFA-01

Roll & Pitch Tilt Platform

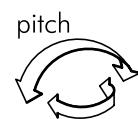


- Tilt (roll & pitch) platform
- Travel in z axis: -2mm, +4mm
- Travel roll, pitch $\pm 4^\circ$
- Resolution 10arcsec
- Compatible with 7TF2

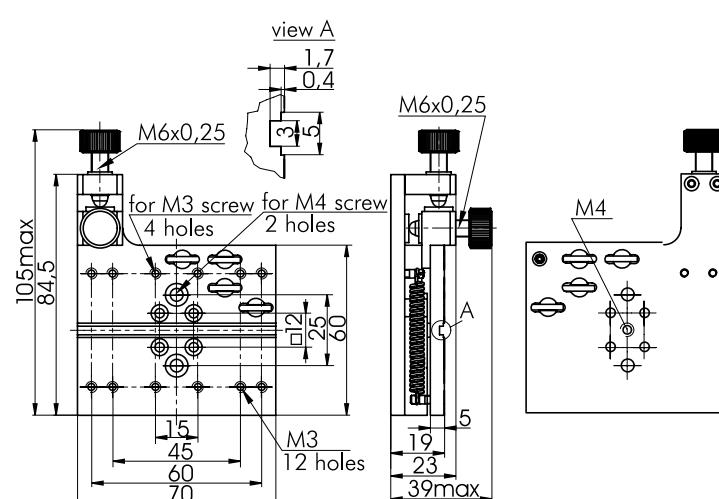


7FA3

Pitch & Yaw Platform



- Pitch yaw platform
- Yaw $\pm 4^\circ$
- Pitch $\pm 3^\circ$
- Resolution 10 arcsec
- Compatible with 7TF2



7FA5

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