

DNL Adjuster

Precision Gimbal Mount for Diffractive Null Lenses

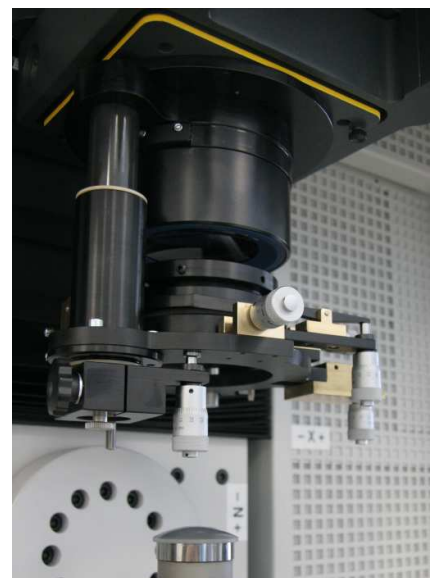


- Independent motion control of x, y, z, theta and phi axes
- Fits standard 4" or 6" bayonet mount
- Variable length between transmission sphere, DNL and lens under test possible
- Can be used with horizontal and vertical interferometer setups

	DNL-A4	DNL-A6
Interferometer mount (standard bayonet)	4"	6"
Vertical DNL movement range	≤ 500 mm	≤ 500 mm
Allowed diameter of the lens retainer	102 mm	160 mm
Diameter of the DNL retainer	90 mm	152.9 mm
X-Y-fine adjustment	± 7.5 mm	± 7.5 mm
Z-fine adjustment	± 7.5 mm	± 7.5 mm
Z-coarse adjustment (w/o transmission sphere)	150 mm	373 mm
Theta - tilt axis	$\pm 1^\circ$	$\pm 1^\circ$
Phi - tilt axis	$\pm 1^\circ$	$\pm 1^\circ$

Functionality: The DNL adjuster is a five axis mount that is directly connected to the exit port of the interferometer by a standard bayonet mount. A second bayonet mount accepts the standard transmission sphere. The 5-axis DNL adjuster is freely movable along a solid vertical column to adjust the distance between DNL and transmission sphere.

It can be mounted to vertically oriented optical interferometer benches. For upwards or horizontally oriented interferometer benches, the DNL-adjuster is additionally equipped with a spring-loaded column.



DNL-A4, with CGH and transmission sphere, mounted to a Fizeau interferometer