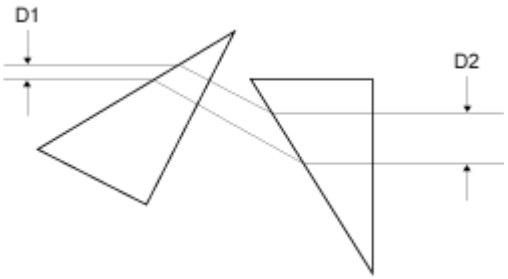
ANAMORPHICS PRISMS

Anamorphic prisms are used to circularize elliptical diode laser beams. They comprise two identical prisms mounted at an incident angle close to the Brewster's angle. The incoming beam is displaced by a small lateral amount, with less than 1 degree of angular deviation.

For unmounted pairs, the degree of anamorphic magnification is determined by the angle and displacement of the prisms.

Standard Specifications:

Optical Material:	SF11 grade A optical glass
Dimension Tolerance:	± 0.2mm
Clear Aperture:	>80%
Surface Quality:	40-20 scratch and dig
Wavefront Distortion:	lambda/6 at 632.8nm
Bevel:	<0.25mm X 45°
Coating:	MgF2 single layer on perpendicular



Standard Unmounted SF11 Anamorphic Prisms

A(mm)	B(mm)	C(mm)	Brewster's angle	"description"	Product Number
7.16	6.10	10 arcsec	29°26'±30"	Unmouted Pairs	UQT-APSF0101

Please Contact ultiQuest for other dimensions in prototype and production quantities.

NOTES!

- Every edge of these prisms is chamfered (beveled) for chipping prevention. The dimensions of these prisms are values not including chamfer.
- Be sure to wear laser safety goggles when checking optical path and adjusting optical axis.