

AMTIR prisms

The most frequently requested specifications for AMTIR prisms are as follows:

Length of hypotenuse	up-to 100 ± 0.1 mm
Length of sides	up-to 100 ± 0.1 mm
Thickness	30 ± 0.05 mm
Angle tolerance	better than 1 arc minute
Edge finish	ground, blacked
Clear aperture	90% of entrance dimensions
Chamfer	$0.3 \times 0.3 @ 45^\circ$
Form error	better than $\lambda/4 @ 633$ nm
Surface quality	40-20 scratch/ dig

Coatings

BBAR coating @ $2-14 \mu\text{m}$
Diamond-Like Carbon (DLC) @ $2-14 \mu\text{m}$
Edge blackening to reduce light scatter

Our capabilities are always expanding so if your requirement is not mentioned above please enquire as we have many years of experience in this field.

Contact our multilingual technical sales team and discover how Knight Optical's high quality AMTIR prism capabilities and service can improve your instrumentation and supply chain experience.