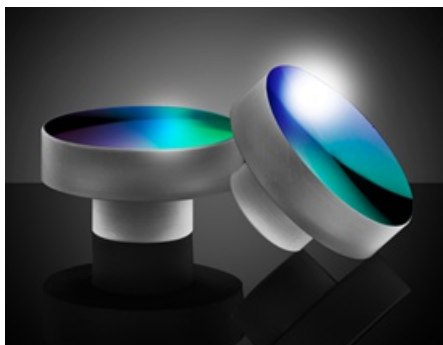


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TECHSPEC® Stemmed Laser Mirrors



- Stemmed Design Reduces Stress on Mirror Surface when Mounted by Stem
- >99% Reflectivity at Standard Laser Wavelengths
- 10-5 Surface Quality for Reduced Scatter in Sensitive Laser Applications
- TECHSPEC® [Broadband Dielectric](#) and [Metallic Coated](#) Stemmed Mirrors Also Available

Common Specifications

General

Compatible Kinematic Mount: [#58-853](#)

Physical & Mechanical Properties

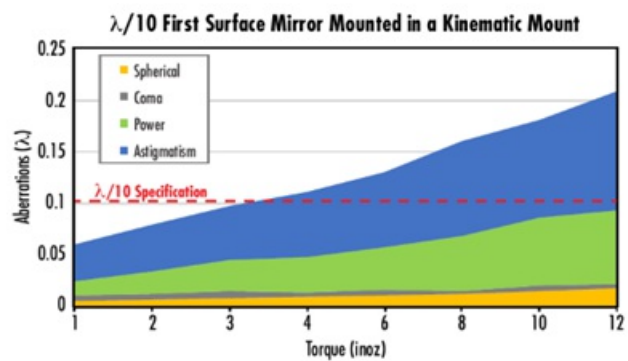
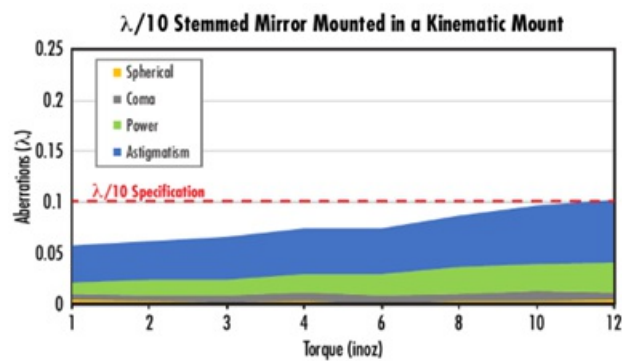
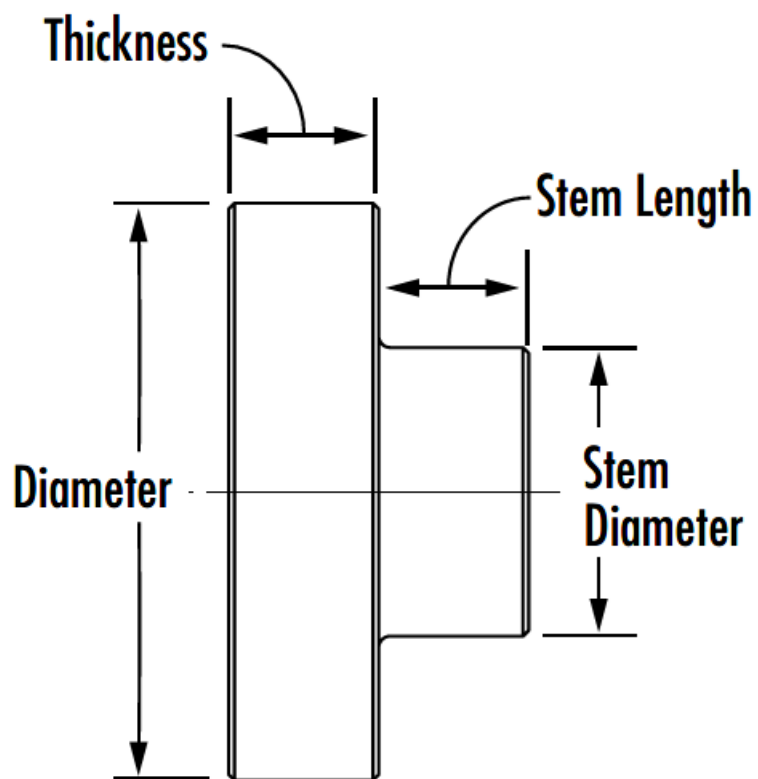
Back Surface: Commercial Polish

Clear Aperture (%):	90.00	Diameter (mm):	25.00 +0.00/-0.10
Thickness (mm):	13.00 ±0.20	Edges:	Ground, protective bevel as needed
Stem Diameter (mm):	12.50 +0.00/-0.10	Stem Length (mm):	6.50 ±0.20

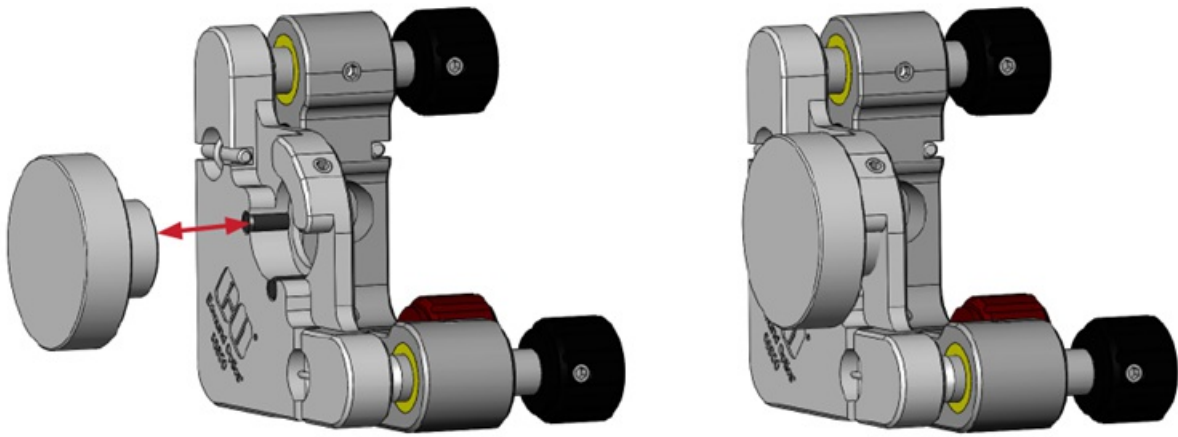
Optical Properties

Substrate:	Fused Silica (Corning 7980)	Surface Flatness (P-V):	λ/10
Surface Quality:	10-5		

Technical Information



A comparison of the aberrations introduced to a $\lambda/10$ Stemmed Mirror and a $\lambda/10$ First Surface Mirror when mounted in a kinematic mount. As shown, a Stemmed Mirror stays within $\lambda/10$ specification up to 12 inoz of torque ("hand-tight") while a First Surface Mirror becomes out of specification with a surface flatness of $\lambda/5$.



Stemmed Mirrors are mounted to kinematic mounts by a **stem** on their back surface, resulting in no contact with the edges of the mirror surface.

Products

Substrate	Dia. (mm)	Coating	Stock Number	Price	Buy
#14-577 Clearance					
					
Clearance					
Fused Silica	25.00	Uncoated	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	C\$121.10	15 In Stock
#17-559 Clearance					
					
Clearance					
Fused Silica	25.00	Laser Mirror (355nm)	Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.	C\$176.40	1 In Stock



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