

TECHSPEC® 19.1mm Dia. 355nm, Nd:YAG Laser Line Beam Sampler



TECHSPEC® Nd:YAG Laser Line Beam Samplers

Stock **#39-003** **9 In Stock**

⊖ 1 ⊕ €158⁰⁰

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Volume Pricing	
Qty 1-5	€158,00 each
Qty 6-25	€147,00 each
Qty 26-49	€131,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Beam Sampler **Type:**

Physical & Mechanical Properties

90	Clear Aperture (%):
19.10 +0.00/-0.10	Diameter (mm):
<3	Parallelism (arcmin):
6.35 ±0.20	Thickness (mm):

Optical Properties

0 ±5	Angle of Incidence (°):
Laser V-Coat (355nm)	Coating:
$R_{abs} < 0.25\%$ @ 355nm	Coating Specification:
355	Design Wavelength DWL (nm):
1.458	Index of Refraction (n_d):
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
$\lambda/10$	Surface Flatness (P-V):
10-5	Surface Quality:
7.5 J/cm ² @ 355nm, 20ns, 20Hz	Damage Threshold, By Design: <input type="checkbox"/>

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 209:
View	Certificate of Conformance:

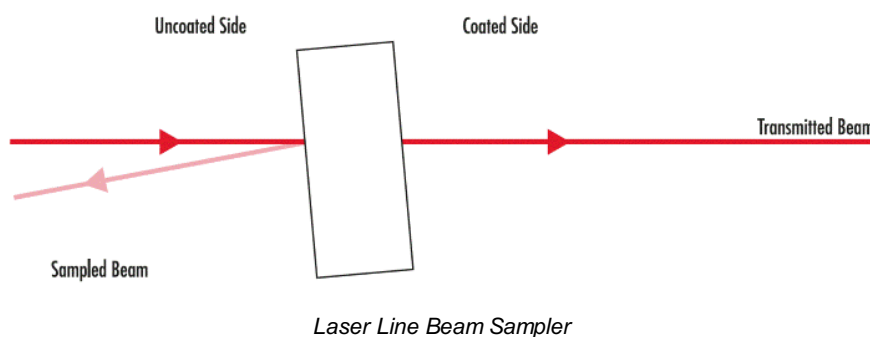
PRODUCT DETAILS

- Uncoated First Surface Provides Fresnel Reflection
- High Laser Damage Threshold Coating on One Surface
- 10-5 Surface Quality

TECHSPEC® Nd:YAG Laser Line Beam Samplers are used to split a small portion of an incident laser beam through Fresnel reflection provided by the uncoated surface for beam monitoring purposes. These beam samplers feature high performance physical properties for minimum effects on the passed through beam, including 10-5 surface quality and $\lambda/10$ surface flatness. An anti-reflection coating with a high damage threshold applied on the second surface helps limit ghost reflections. TECHSPEC Nd:YAG Laser Line Beam Samplers are made of UV Fused Silica, providing excellent transmission from the UV to the IR and a low coefficient of thermal expansion. Beam samplers with anti-reflection laser line coatings for 266nm, 355nm, 532nm, and 1064nm wavelengths are available.

Note: TECHSPEC Nd:YAG Laser Line Beam Samplers can be used with [Laser Measurement products](#) to monitor beam properties, such as beam power and beam profile, in real time.

TECHNICAL INFORMATION



COMPATIBLE MOUNTS