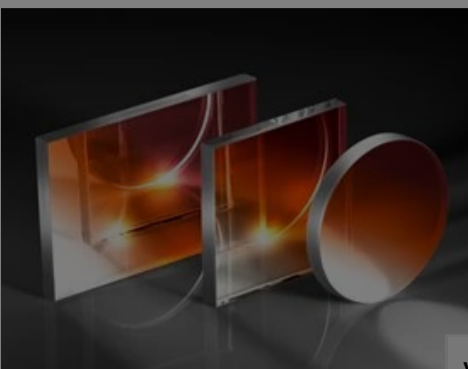


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TECHSPEC® 12.5 x 17.5



Visible and NIR Plate Beamsplitters

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Select Your Country/Region: European Union

Submit

1

€136⁰⁰

ADD TO CART

Volume Pricing

Qty 1-5	€136,00 each
Qty 6-25	€108,00 each
Qty 26-99	€98,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

- STEP:step
- Curve:pdf
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

General

Note: Beamsplitter-coated side is marked with a black dot

Type: Standard Beamsplitter

Physical & Mechanical Properties

Clear Aperture (%): >85

Construction: Plate

Dimensions (mm): 12.5 x 17.5 +0.0/-0.25

Edges: Cut with 0.25mm maximum edge chip

Parallelism (arcmin): ≤3

Thickness (mm): 3.00 ±0.25

Optical Properties

Angle of Incidence (°): 45

Coating Specification: Surface 1: 50/50 ±5% @ 550nm, ±10% @ 400 - 700nm
Surface 2: AR R_{avg} ≤1%, R_{abs} ≤2% @ 400 - 700nm

Reflection/Transmission Ratio (R/T): 50/50

Substrate: **N-BK7**

Surface Flatness (P-V): 1λ per inch

Surface Quality: 60-40

Wavelength Range (nm): 400 - 700

Regulatory Compliance

RoHS 2015: **Compliant**

Certificate of Conformance: **View**

Reach 247: **Compliant**

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Need different specifications?

Edmund Optics offers comprehensive custom manufacturing capabilities for a wide range of applications and requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

Product Details

- Many Beamsplitting Ratios Available
- Visible and NIR Coating Options Offered
- Multi-Layer AR Coated Second Surface
- **C-Mounted Plate Beamsplitters** Also Available

TECHSPEC® Visible and NIR Plate Beamsplitters are ideal for dual magnification **imaging** systems and for combining low power **laser** beams. These beamsplitters offer the optimum combination of polished, high-quality optical-grade glass with minimum substrate thickness. The broadband dielectric coatings provide maximum throughput, are ideal for minimizing ghost images, and have much less energy loss than metallic coatings. TECHSPEC® Visible and NIR Plate Beamsplitters are coated on their back surfaces with a multi-layer anti-reflection (AR) coating, reducing back reflections to less than 1.0% for each wavelength range. Note that for easy identification, the coated side of the beamsplitter is marked with a black dot.

Technical Information

Accessories

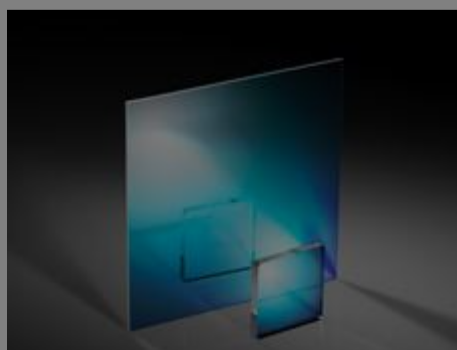
Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	Visible Plate Beamsplitter Kit, 25mm Diameter		#83-388	€540,00 Request Quote	CONTACT US 1
MORE+	Near Infrared Plate Beamsplitter Kit, 25mm Diameter		#83-956	€540,00 Request Quote	1 In Stock 1

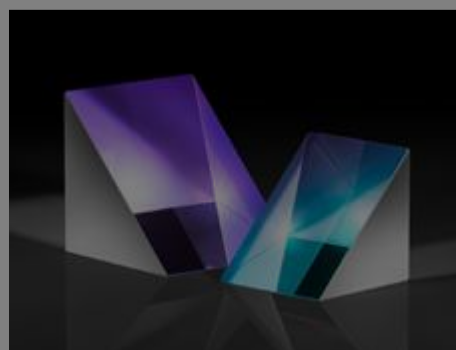
Frequently Purchased Together



#03-669 - 7.0 - 67.0 Optic Height, English Bar-Type Optic Holder
€116,00



#32-269 - 20 x 27mm, 50R/50T, Plate Beamsplitter
€56,50



#32-330 - 10mm, Uncoated, N-BK7 Right Angle Prism
€57,00



#32-331 - 10mm, Aluminum Coated, N-BK7 Right Angle Prism
€69,50

Qty



Qty



Qty








Qty



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Select Your Country/Region:

	Title				Buy
					
MORE+ 	25mm sq - Rectangular Bar Clamp	Fixed	#54-994	€108,00 Request Quote	8 In Stock <input type="text" value="1"/> 
MORE+ 	60mm sq - Rectangular Bar Clamp	Fixed	#54-995	€126,00 Request Quote	20+ In Stock <input type="text" value="1"/> 

Check out our full selection of mounts [here](#).


Resources

Media Type


- Application Note
- Glossary
- Video
- FAQ

 APPLICATION NOTE

An
Introduction to
Optical
Coatings

 CASE STUDIES

Laser Optics
for Eye
Surgery

 CASE STUDIES

Using IR
Spectroscopy
for Counterfeit
Drug Detection

GLOSSARY

NIR (Near
Infrared)

GLOSSARY

VIS/NIR
Coating

 APPLICATION NOTE

The Correct
Material for
Infrared (IR)
Applications

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