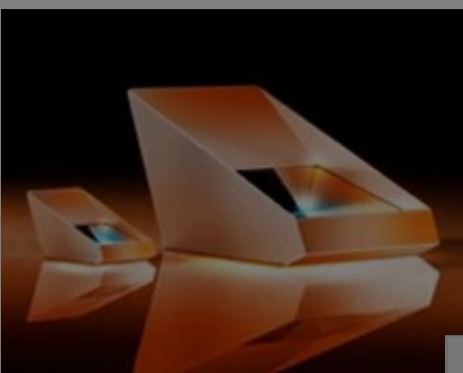


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TECHSPEC® 25mm



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1

€204^{,00}

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Volume Pricing	
Qty 1-5	€204,00 each
Qty 6-25	€164,00 each
Qty 26-99	€153,00 each
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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

Type: Half-Penta Prism

Physical & Mechanical Properties

Height (mm): 35.35

Dimensional Tolerance (mm): ±0.10

Bevel: Protective as needed

Width (mm): 25.00

Optical Properties

Coating: VIS 0° & Aluminized

Substrate: **N-BK7**

Surface Quality: 40-20

Angle Tolerance (arcmin): ±3

Image Orientation: Right-Handed

Coating Specification: Entrance/Exit Faces: $R_{avg} \leq 0.4\%$ @ 425 - 675nm Reflecting Surface: $R_{avg} > 85\%$ @ 400 - 700nm w/Black Overpaint

Ray Deviation (°): 45

Wavelength Range (nm): 425 - 675

Power (fringes) @ 632.8nm: 1.00

Irregularity (fringes) @ 632.8nm: 0.25

Regulatory Compliance

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Need different specifications?

Edmund Optics offers comprehensive custom manufacturing capabilities to meet your unique requirements. Whether in the prototyping phase or full-scale production, 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](#).

Application
s. Our experienced

Product Details

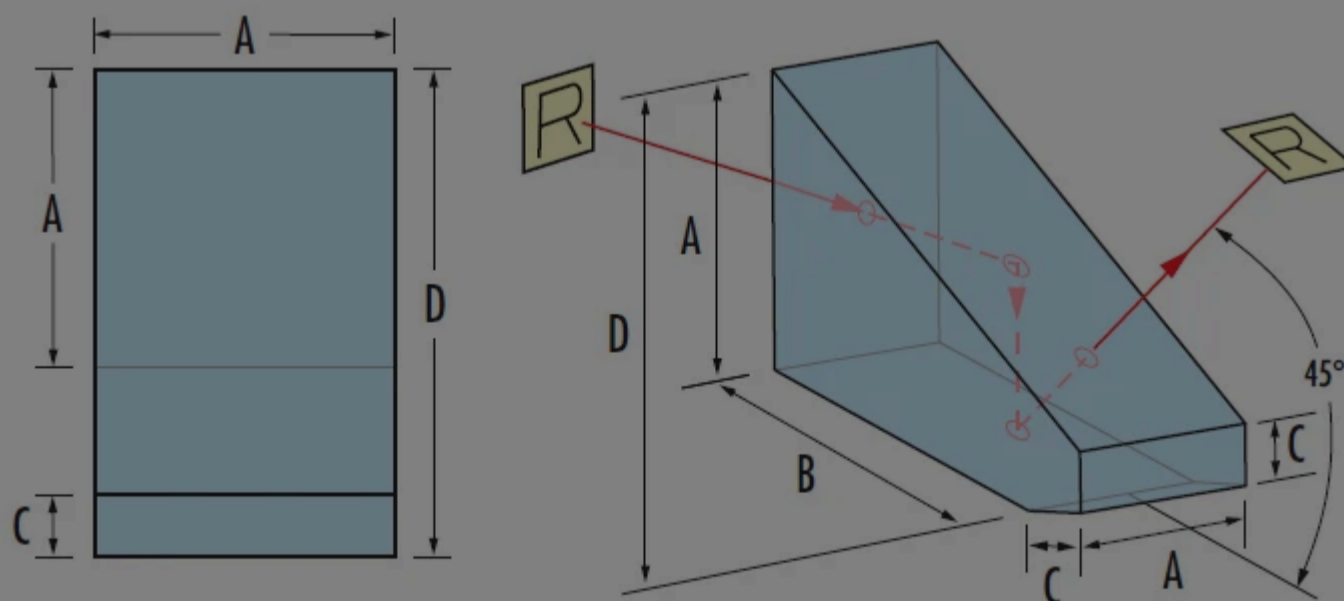
- Deviates Line of Sight by 45°
- Combine with Schmidt Prism to Create Schmidt-Pechan Prism
- **Penta Prisms** Also Available

Half-Penta prisms are used to deviate the line of sight by 45° without inverting or reverting the image. The reflecting surface is aluminized and over-coated with Inconel and black paint to increase efficiency. Combining a TECHSPEC® Half-Penta Prism with a corresponding size **TECHSPEC® Schmidt Prism** creates a Pechan prism pair. The Pechan prism pair will invert or revert the image while not deviating the line of sight. It can be used with converging or diverging light for system size reduction.

Technical Information

Half-Penta Prism Tunnel Diagram

Stock No.	A	B	C	D
#65-587	10.00mm	10.82mm	2.07mm	14.14mm
#65-590	25.00mm	27.06mm	5.18mm	35.35mm



Frequently Purchased Together



#03-618 - 5mm Spacer to convert CS-Mount Cameras to C-Mount
€29,00

Qty



#0

Qty



€58,00

Qty



#30-941 - 21.5mm EFL Mounted, RKE Precision Eyepiece
€122,00

Qty

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Media Type

- Application Note
- Video
- FAQ
- Glossary

APPLICATION NOTE

Anti-Reflection (AR) Coatings

APPLICATION NOTE

An Introduction to Optical Coatings

VIDEO

Optical Prisms Review

FAQ

I'd like to adhere two prisms together. ho...

GLOSSARY

Dove Prism

GLOSSARY

Equilateral (Dispersing) Prism

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