

Optics

Optical Systems

Free Space Isolators

E-O Devices

Spherical Singlets

Multi-Element Lenses

Cylindrical Lenses

Aspheric Lenses

Mirrors

Diffusers
& Lens Arrays

Windows

Prisms

Gratings

Polarization Optics

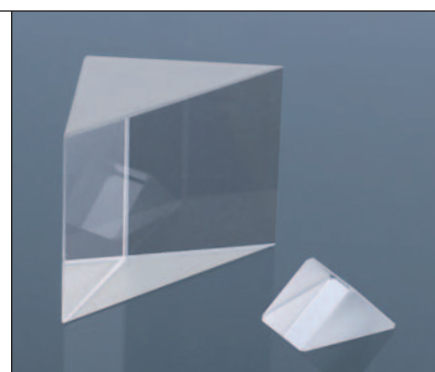
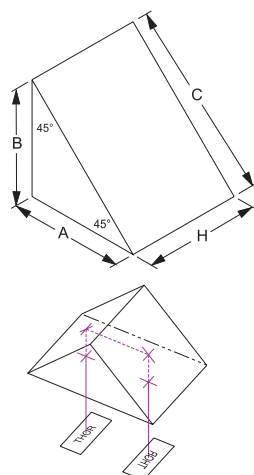
Beamsplitters

Filters
& Attenuators

Gas Cells

BK7 & UV Fused Silica Right Angle Prisms

These high precision Right Angle Prisms feature a surface flatness of $\lambda/10$ and 40-20 scratch-dig surface finish, making them ideal for laser applications.



New Fused Silica Prisms
 $T_{\text{int}} > 88\%/cm @ 185nm$

Specifications

- **Material:** BK7 or UV Grade Fused Silica
- **Dimensional Tolerances:** $\pm 0.1mm$
- **Surface Flatness:** $\lambda/10$ (70% of Clear Aperture)
- **Scratch-Dig:** 40-20

For Optional Coatings Please Email: optics@thorlabs.com

ITEM#	\$	£	€	RMB	A = B	C	H	ANG. TOL.*	MATERIAL	DESCRIPTION
PS905	\$ 33.00	£ 20.80	€ 30,70	¥ 315.20	3mm	4.2mm	3mm	$\pm 10arcmin$	BK7	3mm Right Angle Prism
PS605	\$ 53.10	£ 33.50	€ 49,40	¥ 507.10	3mm	4.2mm	3mm	$\pm 10arcmin$	UV Fused Silica*	3mm UV Right Angle Prism
PS909	\$ 34.00	£ 21.40	€ 31,60	¥ 324.70	5mm	7.1mm	5mm	$\pm 3arcmin$	BK7	5mm Right Angle Prism
PS609	\$ 56.30	£ 35.50	€ 52,40	¥ 537.70	5mm	7.1mm	5mm	$\pm 3arcmin$	UV Fused Silica*	5mm UV Right Angle Prism
PS910	\$ 38.10	£ 24.00	€ 35,40	¥ 363.90	10mm	14.1mm	10mm	$\pm 3arcmin$	BK7	10mm Right Angle Prism
PS610	\$ 62.50	£ 39.40	€ 58,10	¥ 596.90	10mm	14.1mm	10mm	$\pm 3arcmin$	UV Fused Silica*	10mm UV Right Angle Prism
PS908	\$ 43.30	£ 27.30	€ 40,30	¥ 413.50	20mm	28.3mm	20mm	$\pm 3arcmin$	BK7	20mm Right Angle Prism
PS608	\$ 68.80	£ 43.30	€ 64,00	¥ 657.00	20mm	28.3mm	20mm	$\pm 3arcmin$	UV Fused Silica*	20mm UV Right Angle Prism
PS911	\$ 49.40	£ 31.10	€ 45,90	¥ 471.80	25mm	35.4mm	25mm	$\pm 3arcmin$	BK7	25mm Right Angle Prism
PS611	\$ 78.10	£ 49.20	€ 72,60	¥ 745.90	25mm	35.4mm	25mm	$\pm 3arcmin$	UV Fused Silica*	25mm UV Right Angle Prism
PS912	\$ 84.50	£ 53.20	€ 78,60	¥ 807.00	40mm	56.6mm	40mm	$\pm 3arcmin$	BK7	40mm Right Angle Prism
PS612	\$ 184.40	£ 116.20	€ 171,50	¥ 1,761.00	40mm	56.6mm	40mm	$\pm 3arcmin$	UV Fused Silica*	40mm UV Right Angle Prism
PS913	\$ 127.70	£ 80.50	€ 118,80	¥ 1,219.50	60mm	84.9mm	60mm	$\pm 3arcmin$	BK7	60mm Right Angle Prism
PS613	\$ 355.40	£ 223.90	€ 330,50	¥ 3,394.10	60mm	84.9mm	60mm	$\pm 3arcmin$	UV Fused Silica*	60mm UV Right Angle Prism

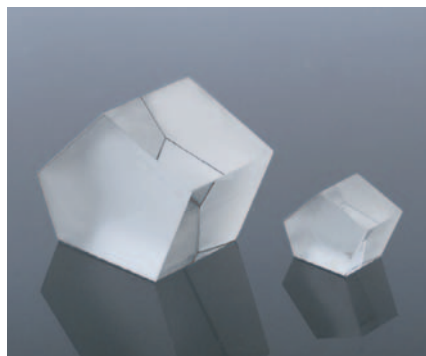
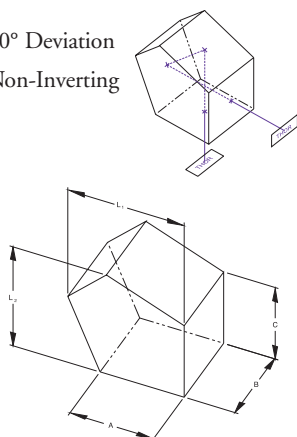
* Corning Code 7980 Standard Grade Fused Silica

Penta Prism

The Penta Prism deviates an input beam or image through 90° . The chief attribute of the Penta Prism is that it does not invert or reverse the image. The design of this prism is such that a 90° beam deviation will result without precise alignment of the prism with respect to the incoming beam or image.

90° Deviation

Non-Inverting



Specifications

- **Material:** BK7, Grade A Fine Anneal
- **Dimensional Tolerances:** $\pm 0.1mm$
- **Angular Tolerances:** $\pm 3arcmin$
- **Surface Quality:** 40-20 Scratch-Dig
- **Surface Flatness:** $\lambda/10$ (70% of Clear Aperture)
- **Reflective Coating:** Aluminum With Inconel and Black Paint Overcoats

ITEM#	\$	£	€	RMB	A = B = C	$L_1 = L_2$	DESCRIPTION
PS930	\$ 28.80	£ 18.10	€ 26,80	¥ 275.00	5mm	7.07mm	4mm Clear Aperture Penta Prism
PS931	\$ 30.00	£ 18.90	€ 27,90	¥ 286.50	10mm	14.14mm	8mm Clear Aperture Penta Prism
PS932	\$ 61.30	£ 38.60	€ 57,00	¥ 585.40	20mm	28.28mm	18mm Clear Aperture Penta Prism
PS933	\$ 81.30	£ 51.20	€ 75,60	¥ 776.40	40mm	56.57mm	38mm Clear Aperture Penta Prism
PS934	\$ 122.50	£ 77.20	€ 113,90	¥ 1,169.90	60mm	84.85mm	58mm Clear Aperture Penta Prism