

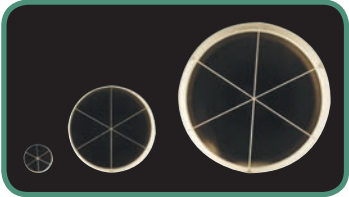
For current pricing,  
please see our website.



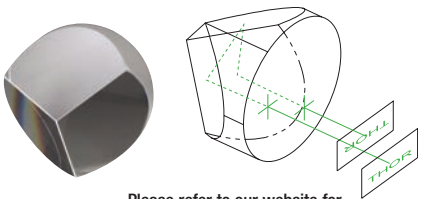
Retroreflectors

Specifications

- Material: N-BK7, Grade A Fine Anneal
- Clear Aperture: 70% of Diameter
- Surface Flatness:  $\lambda/10$  at 633 nm
- Surface Quality: 40-20 Scratch-Dig
- Beam Deviation:  $<3$  arcmin



Head-On View of Retroreflector



Please refer to our website for  
complete models and drawings.

This trihedral prism is manufactured from a solid piece of glass; via three total internal reflections (TIR), an image or beam is reflected back towards its original direction. The beam or image

will be reflected through  $180^\circ$  even if the angle of incidence is not zero. The insensitivity of the alignment of the prism makes it an ideal retroreflecting optic.

Standard Broadband AR Coatings

To order the prism with a standard broadband AR Coating, add the coating code to the Item #, and then add the coating cost to the prism price. Example: PS970 coated with a 350 – 700 nm Broadband AR Coating is PS970-A, and the cost is \$81.30 + \$9.20 = \$90.50.

COATING	WAVELENGTH	\$	£	€	RMB
-A	350 – 700 nm	\$ 9.20	£ 6.62	€ 8,00	¥ 73.32
-B	650 – 1050 nm	\$ 9.20	£ 6.62	€ 8,00	¥ 73.32
-C	1050 – 1620 nm	\$ 12.20	£ 8.78	€ 10,61	¥ 97.23

ITEM #	\$	£	€	RMB	DIAMETER	L	DESCRIPTION
PS970	\$ 85.80	£ 61.78	€ 74,65	¥ 683.83	10 mm	9 mm	Ø10 mm Retroreflector Prism
PS971	\$ 98.30	£ 70.78	€ 85,52	¥ 783.45	25.4 mm	22 mm	Ø25.4 mm Retroreflector Prism
PS973	\$ 115.80	£ 83.38	€ 100,75	¥ 922.93	50 mm	42 mm	Ø50 mm Retroreflector Prism

Mounted Retroreflectors

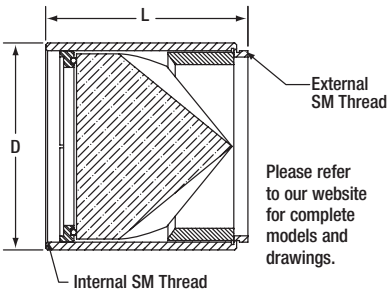
Our standard retroreflecting prisms are now available in updated mounted versions. The multi-purpose mount, which features the same SM series threads found on many of our optomechanical components, allows for the prism to be integrated easily into an optical setup while eliminating the need to handle the prism.

Standard Broadband AR Coatings

To order the prism with a standard broadband AR Coating, add the coating code to the Item #, and then add the coating cost to the prism price. Example: PS970M coated with a 350 – 700 nm Broadband AR Coating is PS970M-A, and the cost is \$105.00 + \$9.20 = \$114.20.

COATING	WAVELENGTH	\$	£	€	RMB
-A	350 – 700 nm	\$ 9.20	£ 6.62	€ 8,00	¥ 73.32
-B	650 – 1050 nm	\$ 9.20	£ 6.62	€ 8,00	¥ 73.32
-C	1050 – 1620 nm	\$ 12.20	£ 8.78	€ 10,61	¥ 97.23

ITEM #	D	L	DESCRIPTION	\$	£	€	RMB
PS970M	0.70"	0.61"	Mounted PS970 in SM05 Lens Tube	\$ 109.50	£ 78.84	€ 95,27	¥ 872.72
PS971M	1.20"	1.15"	Mounted PS971 in SM1 Lens Tube	\$ 124.50	£ 89.64	€ 108,32	¥ 992.27
PS973M	2.20"	2.15"	Mounted PS973 in SM2 Lens Tube	\$ 154.50	£ 111.24	€ 134,42	¥ 1,231.37



Please refer to our website for  
complete models and  
drawings.

Please contact your local  
Thorlabs office for custom  
optical scans.

