



Davidson Optronics

A TRIOPTICS COMPANY

Putting Your Future in Focus

90 Degree Optical Square | D-613



- Dual-purpose optical square for great flexibility
- Kinematic base provides two-plane adjustment
- Integral safety guard protects polished surfaces
- Certification of accuracy traceable to NIST

From an economical standpoint, the Model D-613 90-Degree Optical Square provides the utility of two accessories, but at the cost of only one. It is a precise 90° Optical Square (or 90° Angle Block) and also a Porro Prism sensitive to elevation only. Fine adjustment is accomplished with leveling screws having 120 threads per inch. The base safety guards protect the polished optical surfaces and simplicities handling.

As shown in the diagram, the internal 90° angle, permits viewing the image through the hypotenuse when using the instrument as a Porro Prism. The D-613 aids in quickly positioning two autocollimators perpendicular to each other by utilizing precise right angle surfaces.

2223 West San Bernardino Road
West Covina, California 91790

Phone: (626) 962-5181
Fax: (626) 962-5188

www.davidsonoptronics.com
sales@davidsonoptronics.com

Specifications	
PRISM	
Material:	BK-7
90° Angle:	±1 arc sec
Porro Angle:	±3 arc sec
Flatness:	$\lambda/10$ on all 3 surfaces
Surface Quality:	80/50 per Mil-O-13830
Coating 2 Sides:	AlSiO
Size:	Hypotenuse:
	Sides:
	2 x 2 inch (51 x 51 mm)
	1.5 x 1.5 inch (38 x 38 mm)
BASE	
Material:	Steel
Finish:	Ivory enamel
Carrying Case:	Fitted hardwood
Weight:	3.5 lbs (1.6 kg)
Shipping Weight:	8 lbs (3.6 kg)



Davidson Optronics

A TRIOPTICS COMPANY

Putting Your Future in Focus