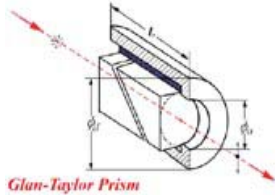




## Polarizer

### Glan-Taylor Prisms



Glan-Taylor Prism

1. Air-spaced
2. Cutting angle close to Brewster±s Angle.
3. Sealed mount without escape windows is suitable for low to medium power application where the rejected beam is not required.

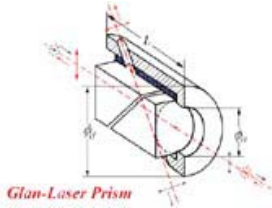
Part No.	Material	Wavelength Range(nm)	Extinction Ratio	Angular Field	Clear perture (mm)	Outside $\phi$ (mm)	L(mm)	Unit Price	
PGT101	$\alpha$ -BBO	200-400	$<5 \times 10^{-6}$	$6.0^\circ$	$\phi 6$	15.0	15.0	US\$290	
PGT102					$\phi 8$	25.4	17.0	US\$320	
PGT103					$\phi 10$	25.4	19.0	US\$380	
PGT104					$\phi 15$	30.0	23.0	US\$570	
PGT111		400-700			$<5 \times 10^{-6}$	$\phi 6$	15.0	15.0	US\$290
PGT112						$\phi 8$	25.4	17.0	US\$320
PGT113						$\phi 10$	25.4	19.0	US\$380
PGT114						$\phi 15$	30.0	23.0	US\$570
PGT121		700-3000			$<5 \times 10^{-6}$	$\phi 6$	15.0	15.0	US\$290
PGT122						$\phi 8$	25.4	17.0	US\$320
PGT123						$\phi 10$	25.4	19.0	US\$380
PGT124						$\phi 15$	30.0	23.0	US\$570
PGT201	Calcite	350-2000	$<1 \times 10^{-5}$	$7.7^\circ$	$\phi 6$	15.0	15.0	US\$190	
PGT202					$\phi 8$	25.4	17.0	US\$210	
PGT203					$\phi 10$	25.4	19.0	US\$250	
PGT204					$\phi 15$	30.0	23.0	US\$370	
PGT301	YVO <sub>4</sub>	500-4000	$<5 \times 10^{-6}$	$6.6^\circ$	$\phi 6$	15.0	12.0	US\$230	
PGT302					$\phi 8$	25.4	15.0	US\$260	
PGT303					$\phi 10$	25.4	17.0	US\$330	
PGT304					$\phi 15$	30.0	20.0	US\$510	

### Specification

Material:	$\alpha$ -BBO ,Calcite, YVO <sub>4</sub>
Surface Quality:	20-10 scratch and dig
Dimensions Tolerance:	$\pm 0.1$ mm
Wavefront Distortion:	$< \lambda/4$ @632.8nm
Beam Deviation:	$< 3$ arc minutes
Coating:	Single layer MgF <sub>2</sub>
Housing:	Black Anodized Aluminum



## Glan Laser Prisms



1. Air-spaced
2. It is better than Glan Taylor polarizer.
3. Mounted with escape windows. Therefore, it is suitable for high power application.

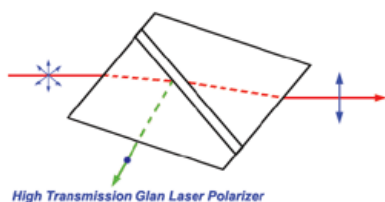
Part No.	Material	Wavelength Range(nm)	Extinction Ratio	Angular Field	Clear perture (mm)	Outside $\phi$ (mm)	L(mm)	Unit Price
PGL101	$\alpha$ -BBO	200-400	$<5 \times 10^{-6}$	$6.0^\circ$	$\phi 6$	15	29.0	US\$360
PGL102					$\phi 8$	25.4	31.0	US\$390
PGL103					$\phi 10$	25.4	31.0	US\$460
PGL104					$\phi 15$	30	38.6	US\$660
PGL111		400-700			$\phi 6$	15	29.0	US\$360
PGL112					$\phi 8$	25.4	31.0	US\$390
PGL113					$\phi 10$	25.4	31.0	US\$460
PGL114					$\phi 15$	30	38.6.0	US\$660
PGL121		700-3000			$\phi 6$	15	29.0	US\$360
PGL122					$\phi 8$	25.4	31.0	US\$390
PGL123					$\phi 10$	25.4	31.0	US\$460
PGL124					$\phi 15$	30	38.6.0	US\$660
PGL201	Calcite	350-2000	$<1 \times 10^{-5}$	$7.7^\circ$	$\phi 6$	15	15.0	US\$210
PGL202					$\phi 8$	25.4	17.0	US\$230
PGL203					$\phi 10$	25.4	19.0	US\$270
PGL204					$\phi 15$	30	23.0	US\$410
PGL301	YVO <sub>4</sub>	500-4000	$<5 \times 10^{-6}$	$6.5^\circ$	$\phi 6$	15	15.0	US\$270
PGL302					$\phi 8$	25.4	17.0	US\$310
PGL303					$\phi 10$	25.4	19.0	US\$380
PGL304					$\phi 15$	30	23.0	US\$570

**Specification**

Material:	$\alpha$ -BBO, Calcite, YVO <sub>4</sub>
Surface Quality:	20-10 scratch and dig
Dimensions Tolerance:	$\pm 0.1$ mm
Wavefront Distortion:	$< \lambda/4$ @ 632.8nm
Beam Deviation:	$< 3$ arc minutes
Coating:	Single layer MgF <sub>2</sub>
Housing:	Black Anodized Aluminum



## High Transmission Glan Laser Prisms



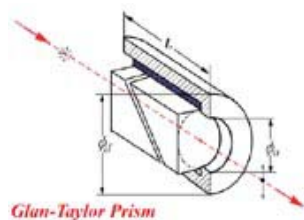
Air-spaced  
All Brewster's angle Cutting.  
Mounted with escape windows.  
High Polarization purity.  
Suitable for high power online\_orderings.  
High transmission.  
Brewster angle input

Part No.	Material	Wavelength Range(nm)	Extinction Ratio	Angular Field	$\phi$ (mm)	Outside $\phi$ (mm)	L(mm)	Unit Price
PGH201	Calcite	350-2000	$<1 \times 10^{-5}$	7.7°	$\phi 6$	15	11.3	US\$490
PGH202					$\phi 8$	25.4	14.8	US\$630
PGH203					$\phi 10$	25.4	18.4	US\$870
PGH301	YVO <sub>4</sub>	500-4000	$<5 \times 10^{-6}$	6.5°	$\phi 6$	15	13.2	US\$580
PGH302					$\phi 8$	25.4	17.6	US\$750
PGH303					$\phi 10$	25.4	22.0	US\$880

## Specification

Material: Calcite, YVO<sub>4</sub>  
Transmission: >95%  
Surface Quality: 20-10 scratch and dig  
Dimensions Tolerance:  $\pm 0.1$  mm  
Wavefront Distortion:  $< \lambda/4$  @ 632.8nm  
Beam Deviation: < 3 arc minutes  
Coating: Single layer MgF<sub>2</sub>  
Housing: Black Anodized Aluminum

## Rochon Prisms



1. Air-spaced  
2. Cutting angle close to Brewster's Angle.  
3. Sealed mount without escape windows is suitable for low to medium power application where the rejected beam is not required.

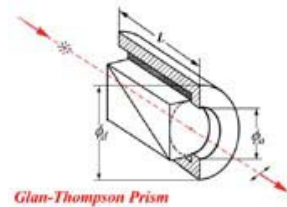
Part No.	Material	Extinction Ratio	Field Angle	Beam Deviation $\alpha$	Clear Aperture	Outside $\phi$ (mm)	L(mm)	Unit Price
PRH101	$\alpha$ -BBO	$1 \times 10^{-6}$	$> 6.9^\circ$	8° @ 1064 nm	$\phi 6$	15	14	US\$380
PRH102					$\phi 8$	25.4	16	US\$430
PRH103					$\phi 10$	25.4	18	US\$550
PRH104					$\phi 15$	30.0	23	US\$750



PRH201	YVO <sub>4</sub>	5X10 <sup>-6</sup>	>6.9°	10° @ 1064 nm	φ6	15	14	US\$280
PRH202					φ8	25.4	16	US\$360
PRH203					φ10	25.4	16	US\$420
PRH204					φ15	30.0	20	US\$550

**Specification**

Material:	α -BBO ,Calcite
Surface Quality:	20-10 scratch and dig
Dimensions Tolerance:	±0.1 mm
Wavefront Distortion:	<λ/4 @632.8nm
Beam Deviation:	< 3 arc minutes
Coating:	Single layer MgF <sub>2</sub>
Housing:	Black Anodized Aluminum

**Glan-Thompson Prisms**

1. Cemented.
2. Suits for low power application.
3. Special design for the ratio of L/A (length/aperture) guarantees the wide acceptance angle.

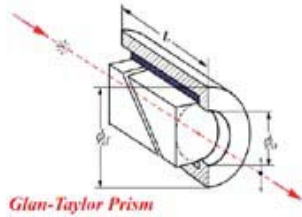
Part No.	Material	L/A	Extinction Ratio	Angular Field	Clear Aperture	Outside φ (mm)	Lmm)	Unit Price
PGM101	α-BBO	1.6	<5x10 <sup>-6</sup>	15°	φ 6	15.0	26	US\$380
PGM102					φ 8	25.4	32	US\$430
PGM103					φ 10	25.4	38	US\$530
PGM104					φ 15	30.0	53	US\$950
PGM201	Calcite	2.5	<1x10 <sup>-5</sup>	14° -16°	φ 6	15.0	23	US\$230
PGM202					φ 8	25.4	28	US\$260
PGM203					φ 10	25.4	33	US\$310
PGM204					φ 15	30.0	45	US\$420
PGM211	Calcite	3.0	<1x10 <sup>-5</sup>	25°-28°	φ 6	15.0	26	US\$290
PGM212					φ 8	25.4	32	US\$320
PGM213					φ 10	25.4	38	US\$420
PGM214					φ 15	30.0	53	US\$570

**Specification**

Material:	α -BBO ,Calcite
Surface Quality:	20-10 scratch and dig
Dimensions Tolerance:	±0.1 mm
Wavefront Distortion:	<λ/4 @632.8nm
Beam Deviation:	< 3 arc minutes
Coating:	Single layer MgF <sub>2</sub>
Housing:	Black Anodized Aluminum



## Wollaston Prisms



1. Air-spaced
2. Cutting angle close to Brewster's Angle.
3. Sealed mount without escape windows is suitable for low to medium power application where the rejected beam is not required.

Part No.	Material	Extinction Ratio	Angular Separation	Clear Aperture	Outside $\phi$ (mm)	L(mm)	Unit Price
PWT101	$\alpha$ -BBO	$<5 \times 10^{-6}$	$15^\circ - 25^\circ$	$\phi$ 6	15	14	US\$310
PWT102				$\phi$ 8	25.4	16	US\$370
PWT103				$\phi$ 10	25.4	18	US\$480
PWT104				$\phi$ 15	30.0	23	US\$640
PWT105				$\phi$ 20	38.0	28	US\$970
PWT201	Calcite	$<1 \times 10^{-5}$	$15^\circ - 20^\circ$	$\phi$ 6	15	14	US\$200
PWT202				$\phi$ 8	25.4	16	US\$230
PWT203				$\phi$ 10	25.4	18	US\$260
PWT204				$\phi$ 15	30.0	23	US\$400
PWT205				$\phi$ 20	38.0	28	US\$710
PWT301	YVO <sub>4</sub>	$<5 \times 10^{-6}$	$10^\circ - 23^\circ$	$\phi$ 6	15	14	US\$230
PWT302				$\phi$ 8	25.4	16	US\$270
PWT303				$\phi$ 10	25.4	18	US\$360
PWT304				$\phi$ 15	30.0	23	US\$475
PWT305				$\phi$ 20	38.0	28	US\$850

**Specification**

Material:	$\alpha$ -BBO, YVO <sub>4</sub>
Surface Quality:	20-10 scratch and dig
Dimensions Tolerance:	$\pm 0.1$ mm
Wavefront Distortion:	$< \lambda/4$ @ 632.8nm
Beam Deviation:	$< 3$ arc minutes
Coating:	Single layer MgF <sub>2</sub>
Housing:	Black Anodized Aluminum

**Note:** The other customer-designed polarizer is available too.