



Product Portfolio: Right Angle Prisms / Substrate Right Angle Prisms / Penta Prisms / Wedge Prisms  
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Validity: **2009**

**Right Angle Prisms**

ID GLS	Dimensions a=b=c (mm)	Angle Tolerance	Material	Unit Price (EUR)- 1 unit	Unit Price (EUR) - 5 units	Unit Price (EUR) - 10 units
RP11-05	5,00	± 3'	BK7	116,56	36,85	27,54
RP11-10	10,00	± 3'	BK7	111,15	31,43	22,12
RP11-12	12,70	± 3'	BK7	112,50	32,79	23,48
RP11-20	20,00	± 3'	BK7	115,21	35,49	26,18
RP11-25	25,40	± 3'	BK7	116,56	36,85	27,54
RP11-30	30,00	± 3'	BK7	119,27	39,55	30,24
RP11-40	40,00	± 3'	BK7	126,71	48,31	37,69
RP11-50	50,80	± 3'	BK7	140,25	61,84	53,39
RP11-05A	5,00	± 30"	BK7	124,01	45,60	34,98
RP11-10A	10,00	± 30"	BK7	116,56	36,85	27,54
RP11-12A	12,70	± 30"	BK7	117,92	38,20	28,89
RP11-20A	20,00	± 30"	BK7	121,98	43,57	32,95
RP11-25A	25,40	± 30"	BK7	124,68	46,27	35,66
RP11-30A	30,00	± 30"	BK7	126,71	48,31	37,69
RP11-40A	40,00	± 30"	BK7	134,83	56,43	45,81
RP11-50A	50,00	± 30"	BK7	167,31	88,91	80,26

**Notes:**

All dimensions in millimeters  
 Material: BK7 grade A, fine annealed  
 Angles: 45°, 90°  
 Angle Tolerance: ± 3' or ± 30"  
 Dimension Tolerance: ± 0.20mm  
 Flatness: λ/4 @ 633nm  
 Surface Quality: 60-40 Scratch-Dig  
 Coating: Uncoated  
 Clear Aperture: 90%

**PBS Substrate Right Angle Prisms**

ID GLS	Dimensions a=b=c (mm)	Angle Tolerance	Material	Unit Price (EUR)- 1 unit	Unit Price (EUR) - 5 units	Unit Price (EUR) - 10 units
RP12-10	10,00	± 3'	BK7	124,01	45,60	34,98
RP12-12	12,70	± 3'	BK7	126,71	48,31	37,69
RP12-25	25,40	± 3'	BK7	133,48	55,07	44,45

**Notes:**

All dimensions in millimeters  
 Material: BK7 grade A, fine annealed  
 Angles: 45°, 90°

Angle Tolerance:  $\pm 3'$   
Dimension Tolerance:  $\pm 0.20\text{mm}$   
Wavefront Distortion:  $\lambda/8$  @ 633nm  
Surface Quality: 20-10 Scratch-Dig  
Coating: Uncoated  
Clear Aperture: 90%

### Penta Prisms

ID GLS	a=b=c (mm)	d (mm)	Deviation (90°)	Material	Unit Price (EUR)- 1 unit	Unit Price (EUR) - 5 units	Unit Price (EUR) - 10 units
PP13-20	20,00	21,60	$\pm 3'$	BK7	124,01	45,60	34,98
RP13-30	30,00	32,50	$\pm 3'$	BK7	133,48	55,07	44,45
RP13-40	40,00	43,30	$\pm 3'$	BK7	140,25	61,84	53,39
RP13-40-A	40,00	43,30	$\pm 30''$	BK7	234,76	153,80	140,73

#### Notes:

All dimensions in millimeters  
Material: BK7 grade A, fine annealed  
Beam Deviation:  $90^\circ \pm 3'$  or  $90^\circ \pm 30''$   
Dimension Tolerance:  $\pm 0.10\text{mm}$   
Flatness:  $\lambda/4$  @ reflection surface  
 $\lambda/2$  @ transmission surface  
Surface Quality: 60-40 Scratch-Dig  
Coating: Aluminum coated with black pain  
overcoat @ Reflecting surfaces  
MgF2 AR coated @ Entrance and exit surfaces  
Clear Aperture: 90%

### Wedge Prisms

ID GLS	Diameter (mm)	Beam Deviation ( $\alpha^\circ$ )	Material	Unit Price (EUR)- 1 unit	Unit Price (EUR) - 5 units	Unit Price (EUR) - 10 units
WP31-25-02	25,40	2.0	BK7	119,95	40,23	30,92
WP31-25-04	25,40	4.0	BK7	119,95	40,23	30,92
WP31-38-02	38,10	2.0	BK7	133,48	55,07	44,45
WP31-38-04	38,10	4.0	BK7	133,48	55,07	44,45

#### Notes:

All dimensions in millimeters  
Material: BK7 grade A, fine annealed  
Diameter Tolerance:  $+0.0/-0.15\text{mm}$   
Flatness:  $\lambda/4-\lambda$  @ 633nm  
Surface Quality: 60-40 Scratch-Dig  
Coating: MgF2 AR coating  
Clear Aperture: 90%

#### GENERAL CONDITIONS

VAT	Taxes not included.
Delivery Fees	Not included.
Delivery time	2 weeks
Quotation Validity	2008
Payment form	Pre-payment at the order.