

Product Portfolio: Reflection Prisms / Amici Prisms / DovePrisms / Corner Cube Prisms
Author(s) A.Manzanares / L.Perez

Validity: **2009**

Reflection Prisms

ID GLS	a=b (mm)	c (mm)	d (mm)	h (mm)	Material	Unit Price (EUR)- 1 unit	Unit Price (EUR) - 5 units	Unit Price (EUR) - 10 units
RFP14-20	20,00	21,60	34,20	14,20	BK7	124,01	45,60	34,98
RFP14-30	30,00	32,40	51,30	21,30	BK7	133,48	55,07	44,45

Notes:

All dimensions in millimeters
Material: BK7 grade A, fine annealed
Beam Deflection: $45^\circ \pm 5'$
Dimension Tolerance: $\pm 0.10\text{mm}$
Flatness: $\lambda/4$ @ reflection surface
 $\lambda/2$ @ transmission surface
Surface Quality: 60-40 Scratch-Dig
Clear Aperture: 90%
Coating: Aluminum coated with black pain
overcoat @ Reflecting surfaces
MgF2 AR coated @ Entrance and exit surfaces

Amici Prisms

ID GLS	a (mm)	b (mm)	Roof Angle	Material	Unit Price (EUR)- 1 unit	Unit Price (EUR) - 5 units	Unit Price (EUR) - 10 units
AP15-18A	18,00	24,50	$\pm 5''$	BK7	133,48	55,07	44,45
AP15-18	18,00	24,50	$\pm 15''$	BK7	126,71	48,31	37,69
AP15-32A	32,00	41,00	$\pm 5''$	BK7	160,55	82,14	73,54
AP15-32	32,00	41,00	$\pm 15''$	BK7	151,07	72,67	64,14

Notes:

All dimensions in millimeters
Material: BK7 grade A, fine annealed
Beam Deflection: $90^\circ \pm 5'$
Dimension Tolerance: $\pm 0.15\text{mm}$
Flatness: $\lambda/4$ @ reflection surface
 $\lambda/2$ @ transmission surface
Roof Angle: $\pm 5''$ or $\pm 15''$ arc sec
Surface Quality: 60-40 Scratch-Dig
Clear Aperture: 90%
Coating: Uncoated @ Roof surfaces
MgF2 AR coated @ Entrance and exit surfaces

Dove Prisms

ID GLS	a (mm)	b (mm)	c (mm)	Material	Unit Price (EUR)- 1 unit	Unit Price (EUR) - 5 units	Unit Price (EUR) - 10 units
DP16-10	10,00	14,14	42,28	BK7	153,78	75,37	66,82
DP16-20	20,00	28,18	84,56	BK7	221,22	140,37	127,29

Notes:

All dimensions in millimeters
Material: BK7 grade A, fine annealed

Angle Tolerance: $\pm 3'$
 Dimension Tolerance: $\pm 0.15\text{mm}$
 Wavefront Distortion: $\lambda/4$ @ 633nm
 Surface Quality: 60-40 Scratch-Dig
 Coating: Uncoated
 Clear Aperture: 90%

Corner Cube Prisms (Retroreflectors)

ID GLS	Diameter (mm)	Deviation (180°)	h	Material	Unit Price (EUR)- 1 unit	Unit Price (EUR) - 5 units	Unit Price (EUR) - 10 units
CCP17-12	12,70	$\pm 5''$	9,50	BK7	167,31	88,91	80,26
CCP17-15	15,00	$\pm 5''$	11,70	BK7	174,08	100,05	86,98
CCP17-25	25,00	$\pm 5''$	19,10	BK7	180,85	106,77	86,98

Notes:

All dimensions in millimeters
 Material: BK7 grade A, fine annealed
 Beam Deviation: $180^\circ \pm 5$ arc sec
 Dimension Tolerance: $\pm 0.15\text{mm}$
 Wavefront Distortion: $\lambda/4$
 Surface Quality: 80-50 Scratch-Dig
 Coating: Aluminum coated with black pain
 overcoat @ Reflecting surfaces
 MgF2 AR coated @ Entrance and exit surfaces
 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.