



Product Portfolio: Achromatic Doublets
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Validity: **2009**

Achromatic Doublets

| ID GLS | Focal Length | Diameter | Center Thickness | Edge Thickness | Material | Unit Price (EUR)- 1 unit | Unit Price (EUR) - 5 units | Unit Price (EUR) - 10 units |
|-------------|-----------------|----------|---------------------|-------------------|-------------|-----------------------------|-------------------------------|--------------------------------|
| AD16-06-10 | 10,00 | 6,00 | 4,20 | 3,00 | crown/flint | 126,71 | 48,31 | 37,69 |
| AD16-06-20 | 20,00 | 6,00 | 3,10 | 2,50 | crown/flint | 126,71 | 48,31 | 37,69 |
| AD16-06-30 | 30,00 | 6,00 | 2,80 | 2,40 | crown/flint | 126,71 | 48,31 | 37,69 |
| AD16-10-20 | 20,10 | 10,00 | 5,00 | 3,40 | crown/flint | 128,74 | 50,34 | 39,72 |
| AD16-10-30 | 30,00 | 10,00 | 3,70 | 2,70 | crown/flint | 128,74 | 50,34 | 39,72 |
| AD16-12-50 | 50,00 | 12,70 | 4,30 | 3,30 | crown/flint | 128,74 | 50,34 | 39,72 |
| AD16-12-75 | 75,00 | 12,70 | 3,80 | 3,10 | crown/flint | 128,74 | 50,34 | 39,72 |
| AD16-20-40 | 40,00 | 20,00 | 8,50 | 5,40 | crown/flint | 136,19 | 57,78 | 49,35 |
| AD16-20-50 | 50,00 | 20,00 | 7,40 | 4,90 | crown/flint | 136,19 | 57,78 | 49,35 |
| AD16-20-60 | 60,00 | 20,00 | 6,70 | 4,60 | crown/flint | 136,19 | 57,78 | 49,35 |
| AD16-25-100 | 100,00 | 25,40 | 7,70 | 5,70 | crown/flint | 140,25 | 61,84 | 53,39 |
| AD16-25-150 | 150,00 | 25,40 | 6,50 | 5,20 | crown/flint | 140,25 | 61,84 | 53,39 |
| AD16-25-200 | 200,00 | 25,40 | 6,10 | 5,10 | crown/flint | 140,25 | 61,84 | 53,39 |
| AD16-30-50 | 50,00 | 30,00 | 13,50 | 7,70 | crown/flint | 144,98 | 66,58 | 58,09 |
| AD16-30-75 | 75,00 | 30,00 | 9,90 | 6,20 | crown/flint | 144,98 | 66,58 | 58,09 |
| AD16-30-90 | 90,00 | 30,00 | 8,80 | 5,80 | crown/flint | 144,98 | 66,58 | 58,09 |
| AD16-38-150 | 150,00 | 30,00 | 10,30 | 7,40 | crown/flint | 151,07 | 72,67 | 64,14 |
| AD16-38-200 | 200,00 | 38,10 | 9,00 | 6,80 | crown/flint | 151,07 | 72,67 | 64,14 |
| AD16-38-300 | 300,00 | 38,10 | 8,00 | 6,50 | crown/flint | 151,07 | 72,67 | 64,14 |
| AD16-40-120 | 120,00 | 40,00 | 12,10 | 8,10 | crown/flint | 153,78 | 75,37 | 66,82 |
| AD16-40-250 | 250,00 | 40,00 | 8,60 | 6,70 | crown/flint | 153,78 | 75,37 | 66,82 |
| AD16-50-400 | 400,00 | 50,80 | 9,70 | 7,80 | crown/flint | 165,28 | 86,88 | 78,25 |
| AD16-50-500 | 500,00 | 50,80 | 9,00 | 7,50 | crown/flint | 165,28 | 86,88 | 78,25 |

Air Spaced Achromatic Doublets

| ID GLS | Focal Length | Diameter | Center Thickness | Edge Thickness | Material | Unit Price (EUR)- 1 unit | Unit Price (EUR) - 5 units | Unit Price (EUR) - 10 units |
|--------------|-----------------|----------|---------------------|-------------------|-------------|-----------------------------|-------------------------------|--------------------------------|
| AD17-52-50 | 300,00 | 52,00 | 14,00 | 11,30 | crown/flint | 167,31 | 88,91 | 80,26 |
| AD17-77-75 | 300,00 | 77,00 | 18,00 | 12,30 | crown/flint | 241,53 | 160,52 | 147,45 |
| AD17-102-100 | 400,00 | 102,00 | 23,83 | 16,13 | crown/flint | 309,19 | 227,41 | 214,64 |

Notes:

All dimensions in millimeters
Material: Optical glass (crown and flint)
Focal Length(f'): $\pm 2\%$ @587.6nm
Diameter Tolerance: +0.0/-0.20
Center Thickness(Tc): ± 0.10
Centration: 3'
Fringes: 1~5
Irregularity of Fringes: 0.2~0.5
Surface Quality: 60-40 Scratch-Dig
Coating: MgF2 AR coated
Clear Aperture: 90% dia.

GENERAL CONDITIONS

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