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ISP Optics Fused Silica Windows See More by [ISP Optics](#)



- Excellent Thermal Stability
- Low Auto-Fluorescence
- IR Grade Fused Silica

Common Specifications

Physical & Mechanical Properties

Bevel:	Protective as needed	Clear Aperture (%):	85
Edges:	Fine Ground	Knoop Hardness (kg/mm²):	522
Poisson's Ratio:	0.16	Young's Modulus (GPa):	73

Optical Properties

Abbe Number (v_d):	67.8	Coating:	Uncoated
Index of Refraction (n_d):	1.458	Substrate:	Fused Silica
Surface Flatness (P-V):	1 λ	Surface Quality:	40-20
Wavelength Range (nm):	200 - 3500		

Material Properties

Coefficient of Thermal Expansion CTE ($10^{-6}/^{\circ}\text{C}$):	0.52 (+5 to +35 $^{\circ}\text{C}$) 0.57 (0 to +200 $^{\circ}\text{C}$) 0.48 (-100 to +200 $^{\circ}\text{C}$)
Density (g/cm³):	2.20

Technical Information

Products

Dia. (mm)	Thickness (mm)	Coating	Model Number	Stock Number	Price	Buy
#24-582 Clearance						
						
				Clearance		
				Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.		
12.70	1.00	Uncoated	QI-W-12- 1		€135,00	3-4 days

#24-583 Clearance						
						
				Clearance		
				Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.		
12.70	2.00	Uncoated	QI-W-12- 2		€135,00	3-4 days

[#24-584 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

25.40

1.00

Uncoated

QI-W-25-1

€166,00

3-4 days

[#24-585 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

25.40

2.00

Uncoated

QI-W-25-2

€166,00

3-4 days

[#24-586 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

25.40

3.00

Uncoated

QI-W-25-3

€166,00

3-4 days

[#29-950 New](#)



New

Launched on our website before appearing in our latest print catalogs. Be the first to buy before anyone else!

38.10

3.00

Uncoated

QI-W-38-3

€229,00

3-4 days

[#24-588 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

50.80

3.00

Uncoated

QI-W-50-3

€307,00

3-4 days

[#24-589 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

50.80

5.00

Uncoated

QI-W-50-5

€307,00

3-4 days

[#24-590 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

63.50

6.00

Uncoated

QI-W-63-6

€406,00

3-4 days

[#24-591 Clearance](#)



Clearance

Availability is limited, so buy before these products disappear. Sorry, we cannot accept returns. Receive up to 80% off select products.

63.50

8.00

Uncoated

QI-W-63-8

€406,00

3-4 days



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