



OPTICS CATALOGUE

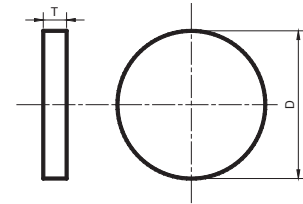
(2017-2018)



Parallel Windows

Specifications

Material:	BK7 or UV fused silica
Diameter Tolerance:	+0.0/-0.15mm
Thickness Tolerance:	±0.25mm
Parallelism:	<5"
Surface Quality:	20/10 scratch / dig
Transmitted Wavefront:	$\lambda / 10$ @632.8nm
Clear Aperture:	Central 85% of diameter
Chamfers:	12.7&25.4mm:0.25-0.75mm face width x 45° +/-15° 50.8mm :0.38-1.14 mm face width x 45° +/-15°



- Most sizes with $\lambda / 20$ transmitted wavefront and 10-5 surface quality are available
- All kinds of coatings are available, see page 2 - 3
- Custom designs for other sizes and coatings are also available upon request

Order Information



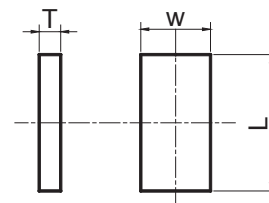
Parallel Windows

Part Number	Diameter D (mm)	Thickness T (mm)	Material	Surface Quality	Transmitted Wavefront
WIN-127-031-BK7	12.7	3.175	BK7	20/10	$\lambda / 10$
WIN-127-060-BK7	12.7	6.0	BK7	20/10	$\lambda / 10$
WIN-254-060-BK7	25.4	6.0	BK7	20/10	$\lambda / 10$
WIN-254-063-BK7	25.4	6.35	BK7	20/10	$\lambda / 10$
WIN-508-100-BK7	50.8	10.0	BK7	20/10	$\lambda / 10$
WIN-127-031-UVFS	12.7	3.175	UVFS	20/10	$\lambda / 10$
WIN-127-060-UVFS	12.7	6.0	UVFS	20/10	$\lambda / 10$
WIN-254-060-UVFS	25.4	6.0	UVFS	20/10	$\lambda / 10$
WIN-254-063-UVFS	25.4	6.35	UVFS	20/10	$\lambda / 10$
WIN-508-100-UVFS	50.8	10.0	UVFS	20/10	$\lambda / 10$

Rectangular Windows

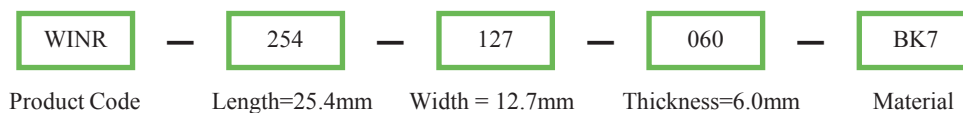
Specifications

Material:	BK7 or UV fused silica
Diameter Tolerance:	+0.0/-0.15mm
Thickness Tolerance:	±0.25mm
Parallelism:	<5"
Surface Quality:	20/10 scratch / dig
Transmitted Wavefront:	$\lambda / 10 @632.8\text{nm}$
Clear Aperture:	Central 85% of diameter
Chamfers:	12.7&25.4mm:0.25-0.75mm face width x 45° +/-15° 50.8mm :0.38-1.14 mm face width x 45° +/-15°



- Most sizes $\lambda / 20$ transmitted wavefront, 10-5 surface quality are available
- All kinds of coatings are available, see page 2-3
- Custom designs for other sizes and coatings are also available upon request

Order Information:



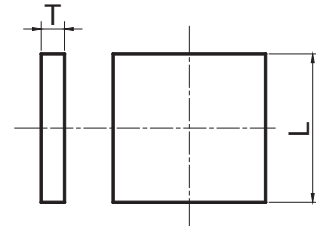
Square Windows

Part Number	Length L (mm)	Width W (mm)	Thickness T (mm)	Material	Surface Quality	Transmitted Wavefront
WINR-127-063-060-BK7	12.7	6.35	3.175	BK7	20-10	$\lambda / 10$
WINR-254-127-063-BK7	25.4	12.7	6.35	BK7	20-10	$\lambda / 10$
WINR-127-063-031-UVFS	12.7	6.35	3.175	UVFS	20-10	$\lambda / 10$
WINR-127-063-063-UVFS	12.7	6.35	6.35	UVFS	20-10	$\lambda / 10$
WINR-254-127-063-UVFS	25.4	12.7	6.35	UVFS	20-10	$\lambda / 10$
WINR-508-254-100-UVFS	50.8	25.4	6.35	UVFS	20-10	$\lambda / 10$

Square Windows

Specifications

Material:	BK7 or UV fused silica
Diameter Tolerance:	+0.0/-0.15mm
Thickness Tolerance:	±0.25mm
Parallelism:	<5"
Surface Quality:	20/10 scratch / dig
Transmitted Wavefront:	$\lambda / 10 @ 632.8\text{nm}$
Clear Aperture:	Central 85% of diameter
Chamfers:	12.7&25.4mm:0.25-0.75mm face width x 45° +/-15° 50.8mm :0.38-1.14 mm face width x 45° +/-15°



- Most sizes $\lambda / 20$ transmitted wavefront, 10-5 surface quality are available
- All kinds of coatings are available, see page 2-3
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Order Information

WINS	—	127	—	060	—	BK7
Product Code		Length=12.7mm		Thickness=6.0mm		Material

Square Windows

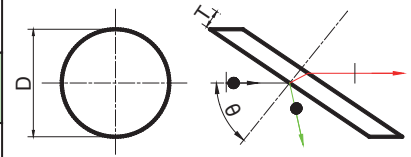
Part number	Length L (mm)	Thickness T (mm)	Material	Surface Quality	Transmitted Wavefront
WINS-127-031-BK7	12.7	3.175	BK7	20-10	$\lambda / 10$
WINS-254-063-BK7	25.4	6.35	BK7	20-10	$\lambda / 10$
WINS-127-063-UVFS	12.7	6.35	UVFS	20-10	$\lambda / 10$
WINS-254-063-UVFS	25.4	6.35	UVFS	20-10	$\lambda / 10$
WINS-508-063-UVFS	50.8	6.35	UVFS	20-10	$\lambda / 10$

- Other sizes and surface quality are upon customs `s request

Brewster Windows

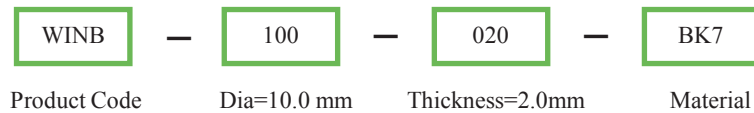
Specifications

Material:	BK7 or UV fused silica
Diameter Tolerance:	+0.0/-0.15mm
Thickness Tolerance:	±0.25mm
Parallelism:	<5"
Brewster Angle (θ):	56.6° for BK7 at 588nm 56.1° for UVFS at 308nm
Surface Quality:	20/10 scratch/dig
Transmitted Wavefront:	λ/10@632.8nm
Clear Aperture:	Central 85% of diameter
Chamfers:	<0.35mm face width × 45° typical



- Most sizes λ/20 transmitted wavefront, 10-5 surface quality
- All kinds of coatings are available, see page 2-3
- Custom designs for other sizes and coatings are also available upon request

Order Information



Brewster Windows

Part Number	Diameter D (mm)	Thickness T (mm)	Material	Surface Quality	Transmitted Wavefront
WINB-080-020-BK7	8	2.0	BK7	20/10	λ/10
WINB-100-020-BK7	10	2.0	BK7	20/10	λ/10
WINB-160-020-BK7	16	2.0	BK7	20/10	λ/10
WINB-254-020-BK7	25.4	2.0	BK7	20/10	λ/10
WINB-060-020-UVFS	6	2.0	UVFS	20/10	λ/10
WINB-080-020-UVFS	8	2.0	UVFS	20/10	λ/10
WINB-100-020-UVFS	10	2.0	UVFS	20/10	λ/10
WINB-160-030-UVFS	16	3.0	UVFS	20/10	λ/10
WINB-254-030-UVFS	25.4	3.0	UVFS	20/10	λ/10



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