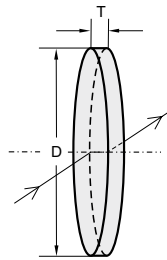


PRECISION THIN ROUND WINDOWS



Specifications

Material	UV FS
Surface quality	20 – 10 scratch & dig (MIL-PRF-13830B)
Clear aperture	>90% of the diameter
Diameter tolerance	+0.00 / -0.12 mm
Thickness tolerance	±0.2 mm
Surface flatness	$\lambda/4$ or $\lambda/10$ @ 633 nm
Parallelism	<1 arcmin or <30 arcsec

Housing accessories

Optical Component Mount 830-0037

Find more at EksmaOptics.com



Plate Clamp 830-0055

Find more at EksmaOptics.com



Universal Plate Holder 830-0075

Find more at EksmaOptics.com



Diameter D, mm		Thickness T, mm	Flatness	Parallelism	Catalogue number	Price, EUR
Metric	English					
12.5	12.7	1.0	$\lambda/10$	30 arcsec	226-1111	60
12.5	12.7	2.0	$\lambda/10$	30 arcsec	226-1121	53
20.0	20.0	1.0	$\lambda/10$	30 arcsec	226-1191	75
20.0	20.0	2.0	$\lambda/10$	30 arcsec	226-1201	72
25.0	25.4	1.0	$\lambda/10$	30 arcsec	226-1211	80
25.0	25.4	2.0	$\lambda/10$	30 arcsec	226-1221	75
50.0	50.8	3.0	$\lambda/10$	30 arcsec	226-1531	165
12.5	12.7	1.0	$\lambda/4$	1 arcmin	226-1116	42
12.5	12.7	2.0	$\lambda/4$	1 arcmin	226-1126	38
25.0	25.4	1.0	$\lambda/4$	1 arcmin	226-1216	61
25.0	25.4	2.0	$\lambda/4$	1 arcmin	226-1226	55
50.0	50.8	1.0	$\lambda/4$	1 arcmin	226-1516	139
50.0	50.8	2.0	$\lambda/4$	1 arcmin	226-1526	131
50.0	50.8	3.0	$\lambda/4$	1 arcmin	226-1536	125

Please add letter M to the catalogue number for metric dimensions and letter E for English.

PRECISION WINDOWS

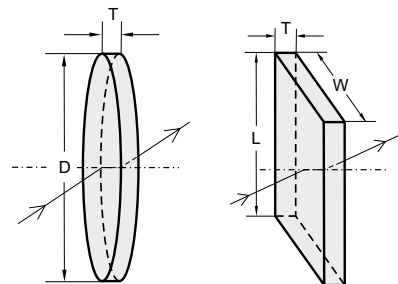
Features

- Manufactured from the high quality UV FS and BK7
- Precision polished on both surfaces and held parallel up to 3 arcsec

These windows are designed to be used in precision optical systems. The optical transmission is high with little distortion of the transmitted signal. $\lambda/10$ transmitted wavefront distortion is usually preferred but $\lambda/4$ is offered as an option when this is not an issue.

Windows can be anti-reflection coated. For required coating, please refer to the **Coatings Section**. Diameters of up to 250 mm are available on request.

Please refer to the UV and IR Optics section for windows made from other materials: LiF, ZnSe, Ge, Sapphire, etc.



Specifications

Material	BK7, UV FS
Surface quality	20 – 10 scratch & dig (MIL-PRF-13830B)
Clear aperture	>90% of the diameter
Diameter tolerance	+0.00 / -0.12 mm
Thickness tolerance	±0.2 mm
Surface flatness	$\lambda/4$ or $\lambda/10$ @ 633 nm
Parallelism	<1 arcmin, <30 arcsec or <3 arcsec

ROUND WINDOWS

Housing accessories

Kinematic Mirror and Beamsplitter Mount 840-0030-02

Find more at EksmaOptics.com



Diameter D, mm		Thickness T, mm	Flatness	Parallelism	BK7		UV FS	
Metric	English				Catalogue nr.	Price, EUR	Catalogue nr.	Price, EUR
12.5	12.7	3.0	$\lambda/10$	30 arcsec	220-0101	28	220-1101	43
12.5	12.7	6.0	$\lambda/10$	30 arcsec	220-0161	25	220-1161	40
20.0	20.0	3.0	$\lambda/10$	30 arcsec	220-0191	35	220-1191	45
20.0	20.0	5.0	$\lambda/10$	30 arcsec	220-0211	31	220-1211	43
25.0	25.4	3.0	$\lambda/10$	30 arcsec	220-0231	44	220-1231	57
25.0	25.4	6.0	$\lambda/10$	30 arcsec	220-0201	39	220-1201	49
40.0	38.1	6.0	$\lambda/10$	30 arcsec	220-0462	56	220-1462	80
40.0	38.1	8.0	$\lambda/10$	30 arcsec	220-0402	51	220-1402	90
50.0	50.8	6.0	$\lambda/10$	30 arcsec	220-0562	78	220-1562	125
50.0	50.8	8.0	$\lambda/10$	30 arcsec	220-0582	71	220-1582	120
50.0	50.8	10.0	$\lambda/10$	30 arcsec	220-0502	65	220-1502	145
75.0	76.2	12.7	$\lambda/10$	30 arcsec	220-0722	165	220-1722	290
75.0	76.2	15.0	$\lambda/10$	30 arcsec	220-0752	150	220-1752	310
100.0	101.6	15.0	$\lambda/10$	30 arcsec	220-0852	240	220-1852	450
12.5	12.7	3.0	$\lambda/10$	3 arcsec	220-0103	44	220-1103	62
12.5	12.7	6.0	$\lambda/10$	3 arcsec	220-0163	41	220-1163	56
12.5	12.7	10.0	$\lambda/10$	3 arcsec	220-0193	37	220-1193	50
25.0	25.4	6.0	$\lambda/10$	3 arcsec	220-0203	69	220-1203	94
25.0	25.4	10.0	$\lambda/10$	3 arcsec	220-0293	62	220-1293	84
40.0	38.1	10.0	$\lambda/10$	3 arcsec	220-0403	89	220-1403	139
50.0	50.8	12.0	$\lambda/10$	3 arcsec	220-0503	119	220-1503	185
12.5	12.7	3.0	$\lambda/4$	1 arcmin	220-0106	19	220-1106	34
12.5	12.7	6.0	$\lambda/4$	1 arcmin	220-0166	17	220-1166	31
25.0	25.4	3.0	$\lambda/4$	1 arcmin	220-0236	23	220-1236	40
25.0	25.4	6.0	$\lambda/4$	1 arcmin	220-0206	22	220-1206	35
40.0	38.1	6.0	$\lambda/4$	1 arcmin	220-0466	38	220-1466	75
40.0	38.1	8.0	$\lambda/4$	1 arcmin	220-0406	37	220-1406	85
50.0	50.8	6.0	$\lambda/4$	1 arcmin	220-0566	55	220-1566	120
50.0	50.8	8.0	$\lambda/4$	1 arcmin	220-0586	52	220-1586	115
75.0	76.2	8.0	$\lambda/4$	1 arcmin	220-0786	145	220-1786	250
75.0	76.2	12.7	$\lambda/4$	1 arcmin	220-0726	135	220-1726	270

Please add letter M to the catalogue number for metric dimensions and letter E for English.

RECTANGULAR WINDOWS

Surface flatness: $\lambda/10$ @633nm. Parallelism: <30 arcsec

Rectangular dimensions		Thickness T, mm	BK7		UV FS	
Width W, mm	Length L, mm		Catalogue nr.	Price, EUR	Catalogue nr.	Price, EUR
15.0	20.0	3.0	225-0123	45	225-1123	78
15.0	20.0	6.0	225-0126	40	225-1126	70
25.4	25.4	6.0	225-0226	43	225-1226	76
20.0	30.0	6.0	225-0236	46	225-1236	110
25.4	50.8	10.0	225-0250	59	225-1250	135
50.8	50.8	10.0	225-0550	83	225-1550	189

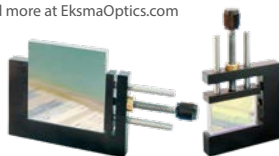
Related products

We offer AR Coated Precision Windows for Nd:YAG laser applications

See page 3.12

Rectangular Optics Holders
830-0100, 830-0110

Find more at EksmaOptics.com



For applications where fine adjustment is required, use Prism Holders 840-0160, 840-0170

Find more at EksmaOptics.com

