

<b>Material</b>	Fused Silica	
<b>Design wavelength</b>	308 nm	
<b>Wavelength range</b>	180-2500 nm	
<b>Refractive index</b>	1,486 ( $\lambda = 308$ nm)	
<b>Toler. Surface</b>	3/5(0,5)	as DIN ISO 10110
<b>Centering</b>	4/10'	as DIN ISO 10110
<b>Surface defects</b>	5/3x0,16	as DIN ISO 10110
<b>Tolerance Outer-Ø</b>	±0,1 mm	
<b>Toler. center thickness</b>	±0,2 mm	
<b>Test area</b>	90% of Diameter	
<b>Chamfers</b>	0,2 – 0,5 mm x 45°	

<b>f mm</b>	<b>Art. Nr. Fused silica</b>	<b>Ø mm</b>	<b>d mm</b>	<b>R1 mm</b>	<b>R2 mm</b>
10	<b>OBS 1.010</b>	8	5	6,685 CX	13,725 CX
15	<b>OBS 1.015</b>	10	4	8,785 CX	36,125 CX
20	<b>OBS 1.020</b>	15	6	11,885 CX	44,668 CX
25	<b>OBS 1.025</b>	20	7	14,749 CX	58,504 CX
30	<b>OBS 1.030</b>	20	6	17,278 CX	84,140 CX
50	<b>OBS 1.050</b>	25	6	28,079 CX	166,677 CX
75	<b>OBS 1.075</b>	25	6	41,717 CX	272,860 CX
100	<b>OBS 1.100</b>	25	4	55,033 CX	398,110 CX
150	<b>OBS 1.150</b>	25	4	82,639 CX	608,66 CX
200	<b>OBS 1.200</b>	25	4	110,200 CX	811,660 CX
250	<b>OBS 1.250</b>	25	4	173,250 CX	1044,100 CX
300	<b>OBS 1.300</b>	25	4	164,300 CX	1295,700 CX
500	<b>OBS 1.500</b>	25	4	273,840 CX	2144,100 CX
750	<b>OBS 1.750</b>	25	4	412,690 CX	3128,300 CX
1000	<b>OBS 1.999</b>	25	4	546,390 CX	4340,100 CX
2000	<b>OBS 1.998</b>	25	4	1122,000 CX	7182,100 CX
100	<b>OBS 4.100</b>	40	7	55,033 CX	398,110 CX
150	<b>OBS 4.150</b>	40	6	82,938 CX	591,353 CX
200	<b>OBS 4.200</b>	40	5	110,200 CX	811,660 CX
250	<b>OBS 4.250</b>	40	5	137,250 CX	1044,100 CX
300	<b>OBS 4.300</b>	40	5	164,874 CX	1237,190 CX
500	<b>OBS 4.500</b>	40	5	273,840 CX	2144,100 CX
750	<b>OBS 4.750</b>	40	5	412,690 CX	3128,300 CX
1000	<b>OBS 4.999</b>	40	5	546,390 CX	4340,100 CX
2000	<b>OBS 4.998</b>	40	5	1122,000 CX	7182,100 CX
-10	<b>OBS 0.010</b>	8	1	5,386 CC	54,052 CC
-30	<b>OBS 0.030</b>	20	2	16,195 CC	150,160 CC
-100	<b>OBS 0.100</b>	25	3	54,442 CC	459,730 CC
-300	<b>OBS 0.300</b>	25	3	163,710 CC	1328,700 CC

**All Dimensions in mm**

R1 – Radius of surface 1 facing collimated beam

R2 - Radius of surface 2 facing focused spot of light

Datum: 15.04.2021

Technische Änderungen und Irrtum vorbehalten

Subject to change and correction