

# Interfero6

6" Transmission Spheres for Interferometers



- + First Class affordable Reference Spheres for Interferometers
- + 100% „Made in Germany“
- + Highest precision, quality and robustness
- + Reference Surface made of Fused Silica
- + Available in  $\lambda/10$  und  $\lambda/20$  Quality

	Standard Spheres 6"					
lens type	f/1.1	f/2.2	f/3.5	f/5.4	f/7.2	Flat
numerical aperture	0,45	0,33				
f-number	1.1	1,5	available soon	available soon	available soon	available soon
Angular aperture	53,49°	38,9°				
radius of reference surface [mm]	103,00	-121,44				
max. test diameter convex [mm]	90	80,9				
dimensions [mm]	Ø179x95	Ø179x95				
weight [kg]	4,6	4,5				
transmitted wavefront [PV]	<1,5 $\lambda$	<1,5 $\lambda$				
quality of reference surface [PV]	$\lambda/10$ or $\lambda/20$ at $\lambda = 632,8\text{nm}$ (higher qualities on request)					
mechanical mount	Zygo Bayonett					

Beam Expander 4" $\rightarrow$ 6"
wave front deformation in single pass:
<1,5 $\lambda$ PV
weight:
8kg
mechanical mount:
Zygo Bajonett

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