



MLOPTIC

TRANSMISSION SPHERES

Used with a laser Fizeau interferometer, transmission spheres (TS) are used to measure spherical optics. A concave or convex spherical surface is examined for surface figure and irregularity by placing its center of curvature coincident with the focus of the transmission sphere. The transmission spheres are mounted to the accessory receptacle on the interferometer. Each transmission sphere comes in a protective case with quality data.

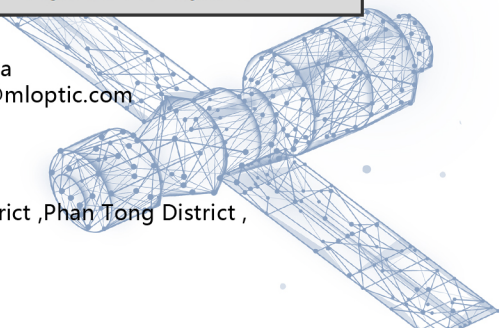
	60mm			30mm			
TYPE	F0.7	F1.0	F2.0	F0.65	F1.0	F1.4	F2.0
F number	0.7	1	2	0.65	1	1.4	2
Radius of reference surface (mm)	23.08	43.38	105.58	11.268	21.498	32	52
Max. test diameter convex (mm)	Φ32	Φ44	Φ54.6	Φ17	Φ21.44	Φ32	Φ28
Max. test radius convex(mm)	21.45	41.64	102.9	10.86	20.348	30.386	50.366
Transmitted Wavefront (PV)	<1.5λ	<1.5λ	<1λ	<1.5λ	<1.5λ	<1λ	<1λ
Quality of Reference surface (PV)	λ/20						
Reflectivity of Reference surface	4%			0.04			
Mechanical mount	Fujinon F601 Bayonett			Fujinon F601 Bayonett			

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100mm								
TYPE	F0.75	F1.5	F3.3	F5.6	F7.2	F11	4"-2" Converter	4"-6" Converter
F number	0.75	1.5	3.3	5.6	7.2	11		
Radius of reference surface (mm)	48.34	121.47	309.13	530.43	686.49	1064.79		
Max. test diameter convex (mm)	Φ66	Φ84	Φ92.4	Φ98	Φ99	Φ99		
Max. test radius convex(mm)	45.7	119.01	294.44	521.37	678.8	1056.45		
Transmitted Wavefront (PV)	<1.5λ	<1.5λ	<1λ	<0.5λ	<0.5λ	<0.5λ	<3λ	<3λ
Quality of Reference surface (PV)	λ/20							
Reflectivity of Reference surface	4%							
Mechanical mount	Zygo Bayonett							

152.4mm						Transmission Flat			
TYPE	F1.1	F2.2	F3.2	F5.3	F7.2	TF100	TF150	TF200	TF300
F number	1.1	2.2	3.2	5.3	7.2	100	150	200	300
Radius of reference surface (mm)	123	290	476	776	1045				
Max. test diameter convex (mm)	117	143	144	144	144				
Max. test radius convex(mm)	121	271	451	751	1014				
Transmitted Wavefront (PV)	<1.5λ	<1.5λ	<1.5λ	<1.5λ	<1.5λ				
Quality of Reference surface (PV)	λ/20					λ/20			
Reflectivity of Reference surface	4%								
Mechanical mount	Zygo Bayonett								

Lead time: Place an order to info@mloptic.com to check. We will ship within 3 days if we have parts in stock.

Package: individual suitcase with standard package.

Warranty: one year

COC and inspection report will accompany with part.

