Aspherical Lens specification

SHAPE

CONCAVE LENS

THICKNESS [mm]	SHAPE	DIAMETER [mm]				
		φ4～φ7	～φ10	～φ13	～φ16	～φ20
	BOTH-SIDED	≧0.3				
	ONE-SIDED	≧0.6		0,7	0,9	

※When diameter is less than 4 mm, angle of the lens is over 55 degree, flat surface is guranteed by mold,
edge thickness difference and thickness ratio is over 5.5, we will do special adjustment according to sit

CONVEX LENS

	MATERIALS	LANSCAPE	DIAMETER [mm]				
			φ4～φ7	～φ10	～φ13	～φ16	～φ20
EDGE THICKNESS DIFFERENCE T[mm]	L-BAL42 L-BSL7 L-BAL35	YES	≧0.5	≧0.6		≧0.7	≧0.8
		NO	≧0.5	≧0.6			≧0.8
	L-LAM60 L-LAH53	YES	≧0.6			≧0.7	≧0.8
		NO	≧0.6			≧0.7	≧0.8
	L-LAL13 L-LAH85V	YES	≧0.7	≧0.8		≧1	-
		NO	≧0.7	≧0.8		≧1	-
	S-FPL51 L-BBH1	YES	≧0.7	≧0.8		≧1.8	-
		NO	≧0.7	≧0.8		≧1.8	-

※When diameter is less than 4 mm, lens chamfer is over 55 degree, one side's landscape width > edge thickness diference
we will do special adjustment according to situation

SPECS

CONCAVE LENS

QUALITY CATAGORIES		DIAMETER [mm]				
		φ4～φ7	～φ10	～φ13	～φ16	～φ20
PV		0,15	0,30			
NR		±2	±3			
AS		0,30	0,50			
THK. ALLOWANCE	[mm]	±0.020				
THRUST(PRESS)	[mm]	0,005				
THRUST(CENTERING)	[mm]	0,010				
TILT	[']	1,5				
DECENTER		10				

※Above numbers are caclulated from design data's smallest allowance by using polynomial

CONVEX LENS

QUALITY CATAGORIES		DIAMETER [mm]				
		φ4～φ7	～φ10	～φ13	～φ16	～φ20
PV		0,15				0,25
NR		±2			±3	±4
AS		0,30			0,40	0,5
THK. ALLOWANCE	[mm]	±0.020				
THRUST(PRESS)	[mm]	0,005				
THRUST(CENTERING)	[mm]	0,010				
TILT	[']	1,5				
DECENTER		10				

※Above numbers are caclulated from design data's smallest allowance by using polynomial

OHARA GmbH
Im Langgewann 4
65719 Hofheim, Germany

info@ohara-gmbh.com
www.ohara-gmbh.com