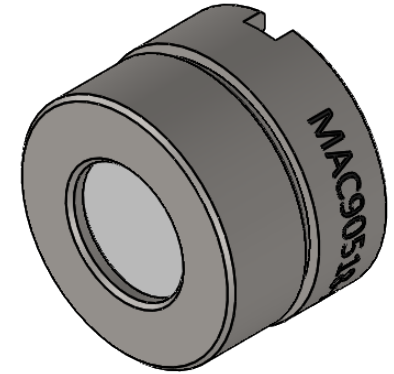
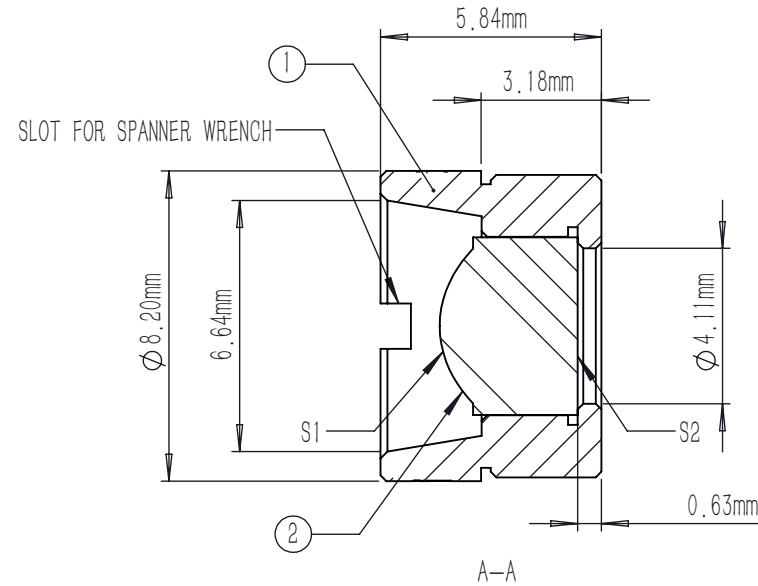
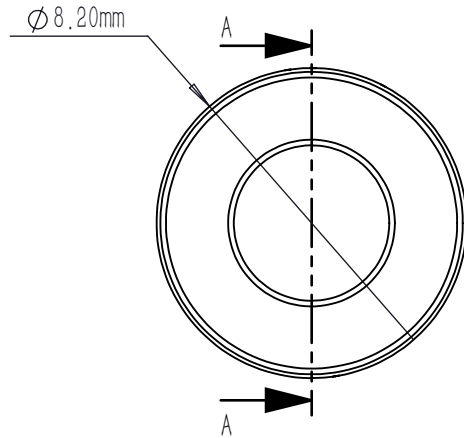


	R	k	A4	A6	A8
S1	2.591249	-0.902951	2.903858E-03	1.043666E-04	3.714989E-06
S2	PLANO	-	-	-	-

$$z = \frac{Y^2}{R(1 + \sqrt{1 - (1+k)Y^2/R^2})} + A_4Y^4 + A_6Y^6 + A_8Y^8$$



NOTES:

- MATERIAL: D-ZK3
- DESIGN WAVELENGTH: 980.0 nm
- WORKING WAVELENGTH: 400 nm-700 nm
- CLEAR APERTURE: (S1) ϕ 3.70 mm, (S2) ϕ 2.05 mm
- NUMERICAL APERTURE: 0.4
- FOCAL LENGTH: 4.5 mm
- FOCAL LENGTH TOLERANCE: $\pm 1.0\%$
- BACK FOCAL LENGTH(REF): $bf=2.2$ mm
- DIAMETER TOLERANCE: ± 0.015 mm
- THICKNESS TOLERANCE: ± 0.04 mm
- CHAMFER: 0.2 mm, 45°
- SURFACE QUALITY: 40-20 SCRATCH-DIG
- CENTRATION: <30 arcmin
- MAXIMUM TEMPERATURE: 250 °C(482 °F)
- AR COATING(S1,S2): $R_{avg} < 0.5\%$ @400-700 nm

	PART DESCRIPTION	MATERIAL
①	LENS MOUNT	303 STAINLESS STEEL
②	AC90518-A	D-ZK3

DRAWING PROJECTION				<h1 style="color: red; margin: 0;">LBTEK</h1>			
	NAME	DATE					
DRAWN	SHAN	APR./30th/24		ASPHERIC CONDENSER LENS			
APPROVAL	WCHENG	APR./30th/24		MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES				D-ZK3	1.42g	5:1	A