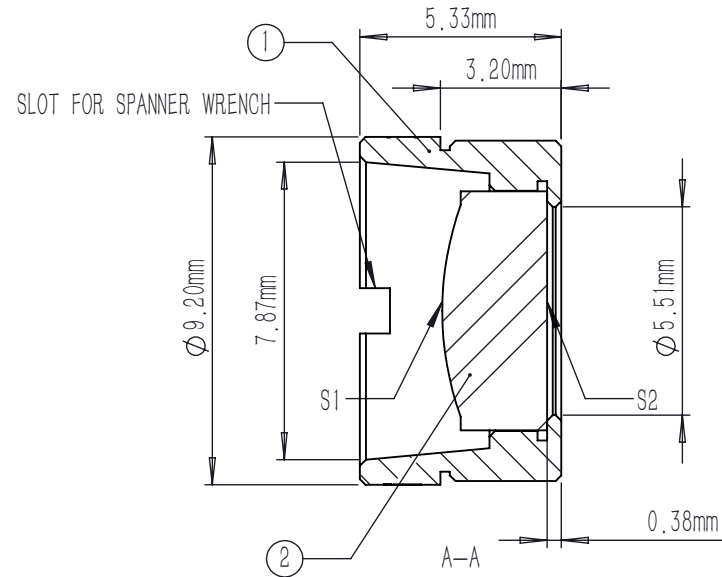
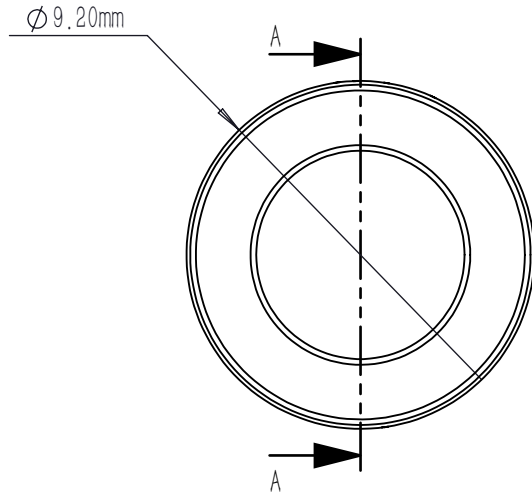


	R	k	A4
S1	8.090100	-0.679000	2.395000E-05
S2	PLANO	-	-

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



NOTES:

- MATERIAL: D-ZK3
- DESIGN WAVELENGTH: 650 nm
- WORKING WAVELENGTH: 400 nm-700 nm
- CLEAR APERTURE: (S1) $\varnothing 5.10$ mm, (S2) $\varnothing 4.54$ mm
- NUMERICAL APERTURE: 0.2
- FOCAL LENGTH: 13.8 mm
- FOCAL LENGTH TOLERANCE: ± 1.0 %
- BACK FOCAL LENGTH(REF): $bf=12.0$ mm
- DIAMETER TOLERANCE: ± 0.015 mm
- THICKNESS TOLERANCE: ± 0.05 mm
- CHAMFER: 0.2 mm, 45°
- SURFACE QUALITY: 40-20 SCRATCH-DIG
- CENTRATION: <30 arcmin
- MAXIMUM TEMPERATURE: 250 $^\circ\text{C}$ (482 $^\circ\text{F}$)
- AR COATING(S1,S2): $R_{avg} < 0.5$ %@400-700 nm

	PART DESCRIPTION	MATERIAL
①	LENS MOUNT	303 STAINLESS STEEL
②	AC90620-A	D-ZK3

DRAWING PROJECTION			LBTEK			
NAME	DATE	MAC90620-A				
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	1.23g	5:1	A