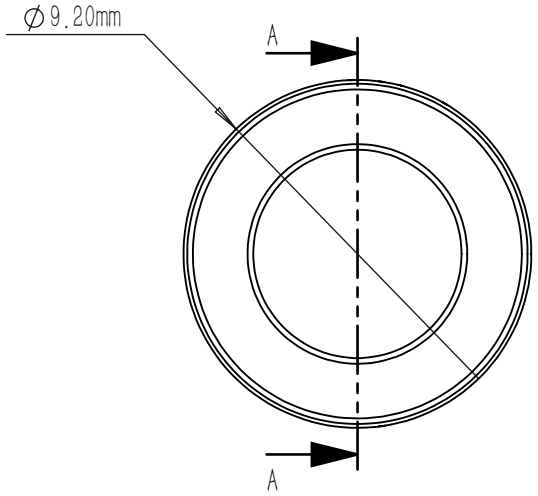
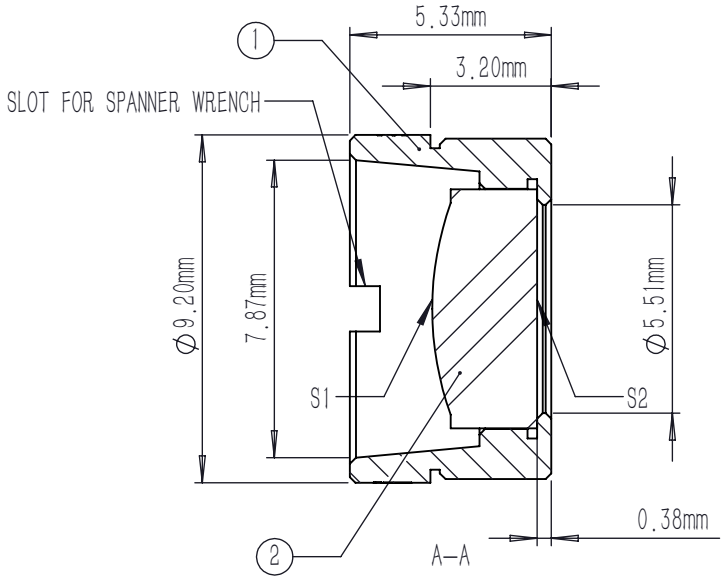
	R	k	A4
S1	8.090100	−0.679000	2.395000E−05
S2	PLANO	−	−

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





NOTES:

1. MATERIAL: D-ZK3
2. DESIGN WAVELENGTH: 650 nm
3. WORKING WAVELENGTH: 290 nm–2400 nm
4. CLEAR APERTURE: (S1) ∅5.10 mm, (S2) ∅4.54 mm
5. NUMERICAL APERTURE: 0.2
6. FOCAL LENGTH: 13.8 mm
7. FOCAL LENGTH TOLERANCE: ±1.0 %
8. BACK FOCAL LENGTH(REF): bf=12.0 mm
9. DIAMETER TOLERANCE: ±0.015 mm
10. THICKNESS TOLERANCE: ±0.05 mm
11. CHAMFER: 0.2 mm,45 °
12. SURFACE QUALITY: 40–20 SCRATCH–DIG
13. CENTRATION: <30 arcmin
14. MAXIMUM TEMPERATURE: 250 °C(482 °F)
15. AR COATING: UNCOATED

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

DRAWING PROJECTION			LBTEK			
	NAME	DATE	MAC90620			
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