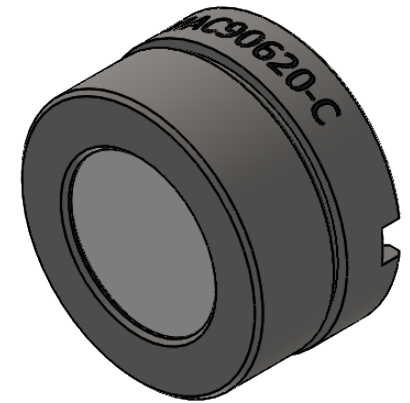
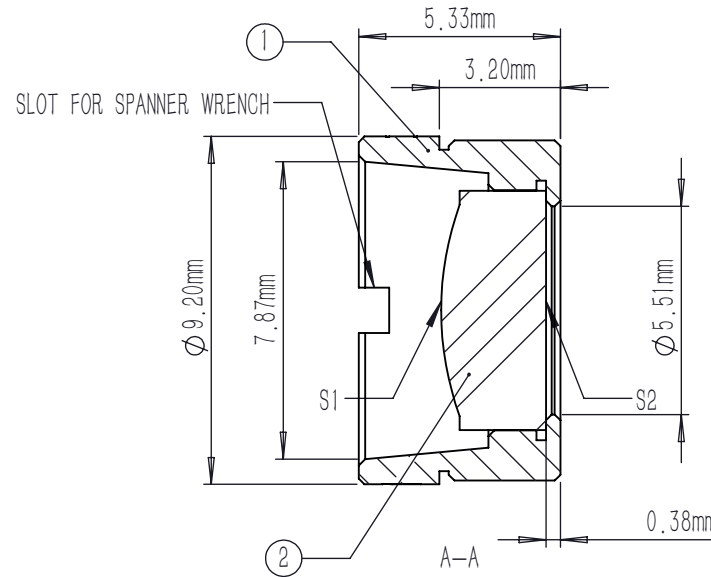
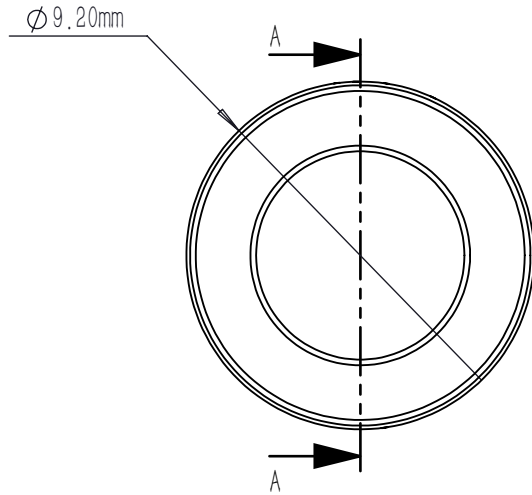


	R	k	A4
S1	8.090100	-0.679000	2.395000E-05
S2	PLANO	-	-

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



NOTES:

1. MATERIAL: D-ZK3
2. DESIGN WAVELENGTH: 650 nm
3. WORKING WAVELENGTH: 1100 nm-1700 nm
4. CLEAR APERTURE: (S1) ϕ 5.10 mm, (S2) ϕ 4.54 mm
5. NUMERICAL APERTURE: 0.2
6. FOCAL LENGTH: 13.8 mm
7. FOCAL LENGTH TOLERANCE: $\pm 1.0\%$
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(S1,S2): $R_{avg} < 0.5\%$ @1100-1700 nm

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

DRAWING PROJECTION				<h1 style="margin: 0;">LBTEK</h1>			
	NAME	DATE	MAC90620-C				
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	