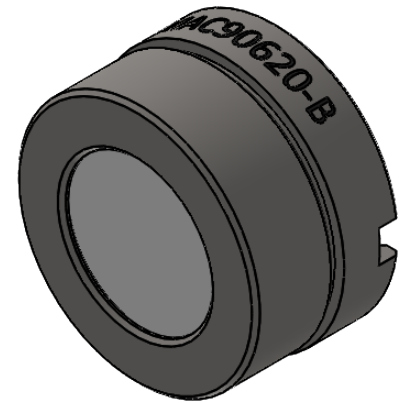
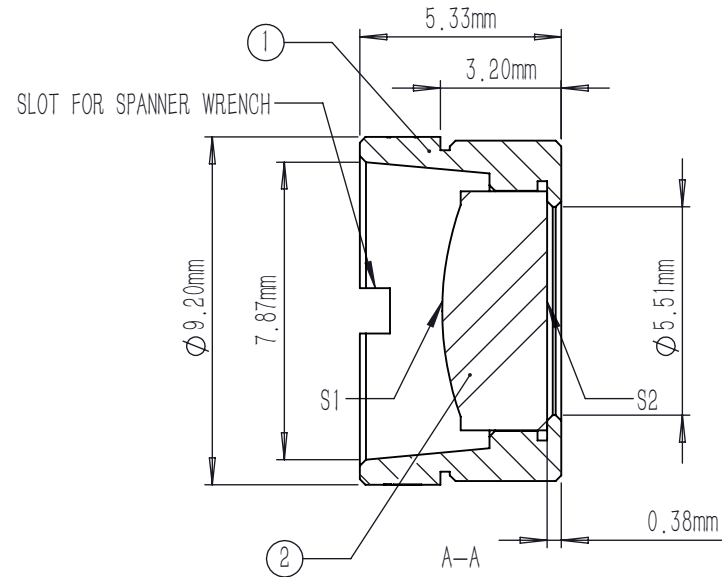
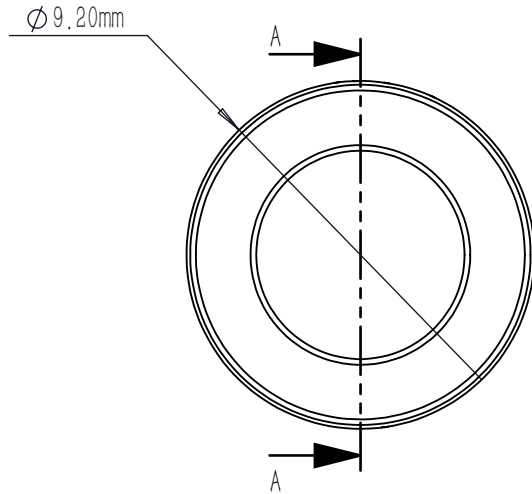


	R	k	A4
S1	8.090100	-0.679000	2.395000E-05
S2	PLANO	-	-

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



NOTES:

1. MATERIAL: D-ZK3
2. DESIGN WAVELENGTH: 650 nm
3. WORKING WAVELENGTH: 700 nm-1100 nm
4. CLEAR APERTURE: (S1)  $\phi$ 5.10 mm, (S2)  $\phi$ 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:  $\pm 0.015$  mm
10. THICKNESS TOLERANCE:  $\pm 0.05$  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):  $R_{avg} < 0.5\%$  700-1100 nm

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

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