

CYLINDRICITY

Meaning: Cylindricity is the geometric property that indicates how closely an object approximates the shape of a perfect cylinder, often assessed to ensure compliance with design specifications in precision engineering.

1. The engineer measured the cylindricity of the part to ensure it met the design specifications.
2. Cylindricity is a critical factor in the manufacturing of precision components for aerospace applications.
3. To achieve optimal performance, the cylindricity of the cylinder must be maintained within strict tolerances.
4. In a quality control inspection, the machinist used a gauge to assess the cylindricity of the fabricated shaft.
5. Understanding cylindricity is essential for ensuring that rotating parts function smoothly without vibration.

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