Precise form measurement. Geometrical tolerancing in practice.

Form tolerances according to ISO 1101

- **Flatness**
  - The toleranced area is limited by two parallel planes or planar surfaces of which the distance is a limitation. The toleranced area is on the contour line of the element or on the contour area of the tolerated element.
  - Example: The toleranced area is on the contour line of the element or on the contour area of the tolerated element.

- **Roundness**
  - The toleranced area is limited by two parallel cylinders of which the distance is a limitation. The toleranced area is on the contour line of the element or on the contour area of the tolerated element.
  - Example: The toleranced area is on the contour line of the element or on the contour area of the tolerated element.

- **Parallelism**
  - The toleranced area is limited by two parallel planes or planar surfaces of which the distance is a limitation. The toleranced area is on the contour line of the element or on the contour area of the tolerated element.
  - Example: The toleranced area is on the contour line of the element or on the contour area of the tolerated element.

- **Tangency**
  - The toleranced area is limited by two parallel planes or planar surfaces of which the distance is a limitation. The toleranced area is on the contour line of the element or on the contour area of the tolerated element.
  - Example: The toleranced area is on the contour line of the element or on the contour area of the tolerated element.

Position tolerances according to ISO 1101

- **Run-out**
  - For workpieces produced by cutting.
  - All dimensions in mm.

- **Orientation tolerances**
  - For workpieces produced by cutting.
  - All dimensions in mm.

- **Parallelism tolerances**
  - For workpieces produced by cutting.
  - All dimensions in mm.

- **Tangency tolerances**
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- **Run-out tolerances**
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