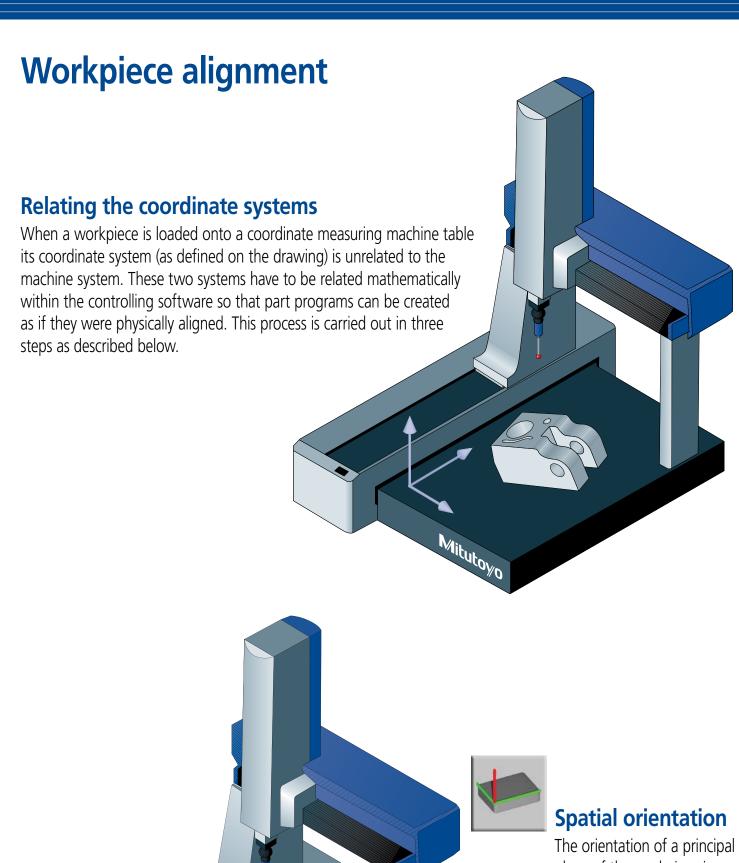
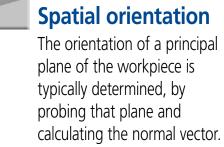
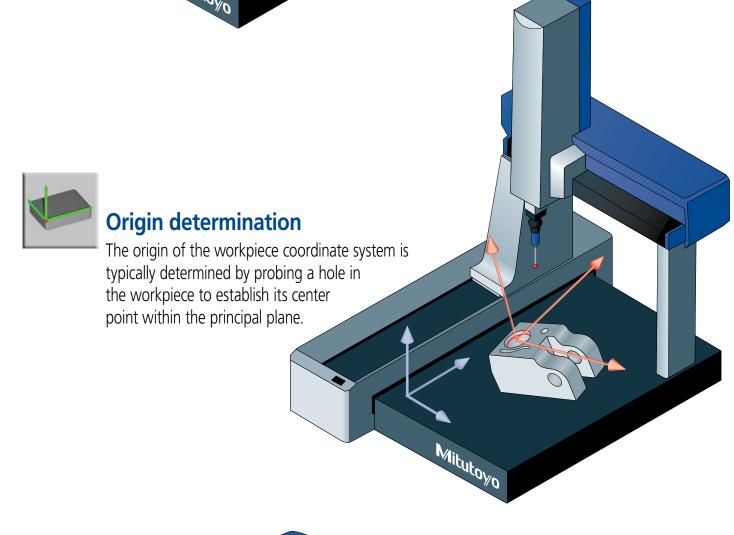
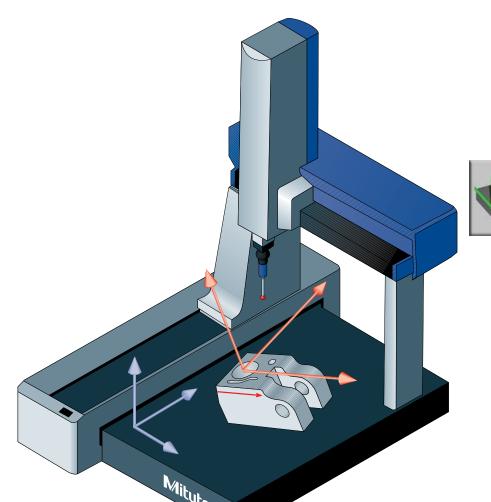
# ASSESSING GEOMETRICAL DEVIATIONS



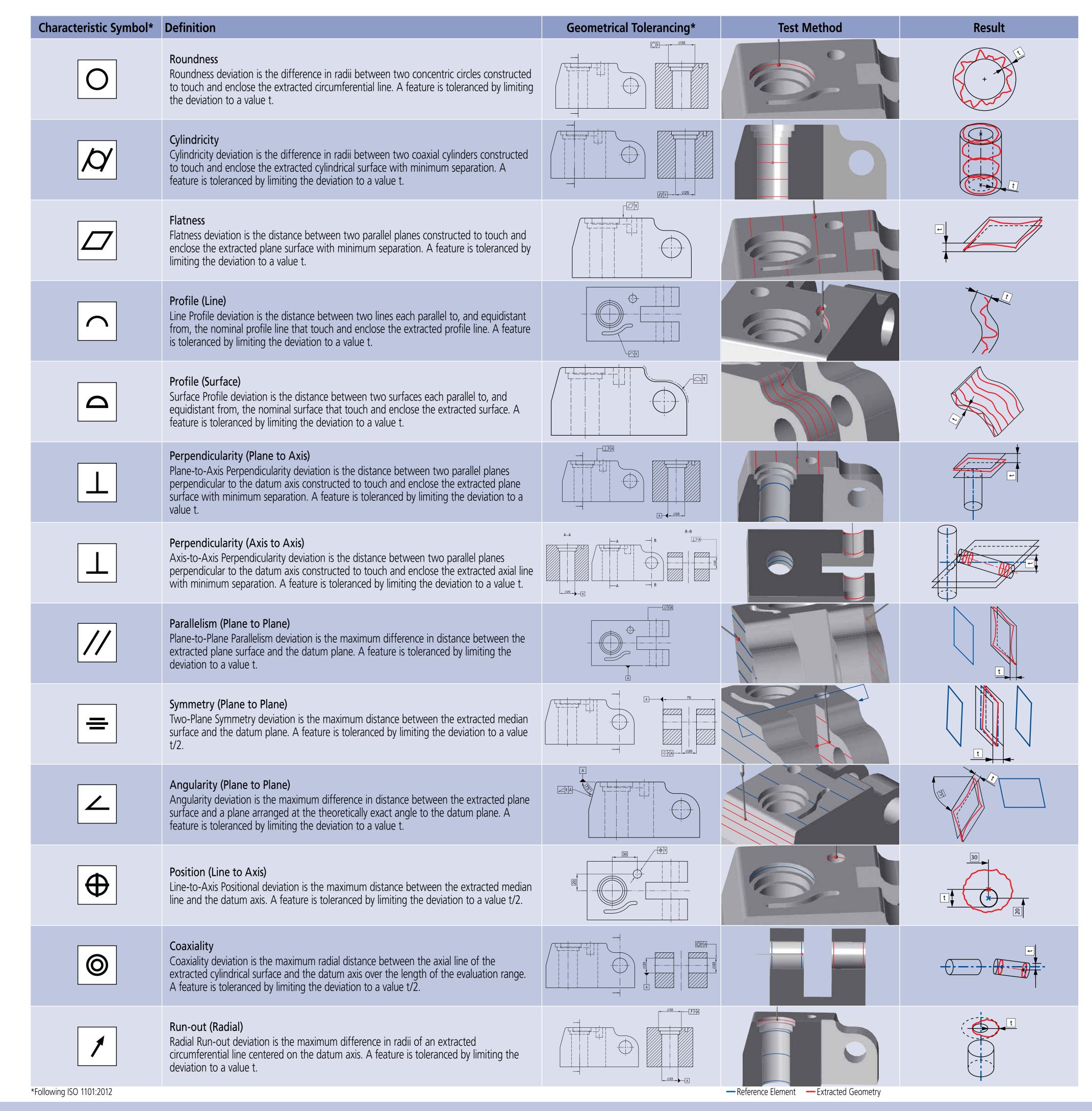




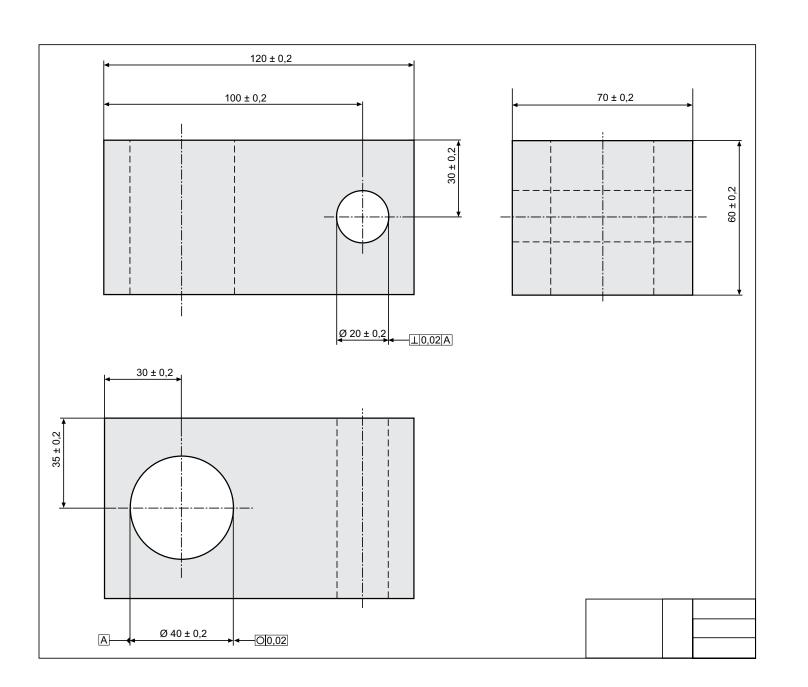


**Axial alignment** 

The direction of a principal axis of the workpiece coordinate system is typically determined by probing a lateral surface in a straight line. The positive direction of the axis to be related corresponds to the vector direction of this line.



### **Workpiece definition and measurement**

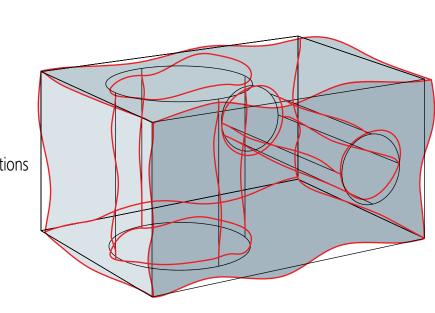


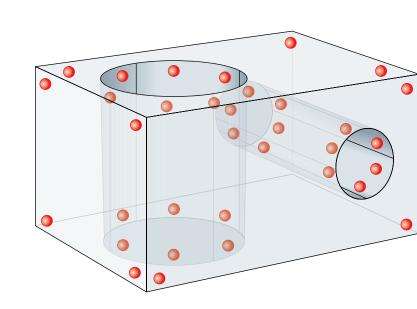
#### **Nominal Geometry**

Ideal geometrical form of a workpiece with indication of dimensional and geometrical (and possibly surface) tolerances.

## **Actual geometry**

Actual geometrical form of a workpiece with inevitable dimensional and geometrical deviations as well as surface waviness and roughness.





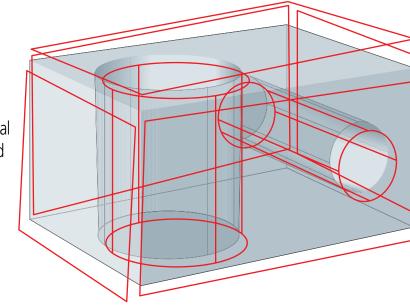
#### **Detected Geometry**

Actual description of workpiece geometry determined only from points obtained by probing the features indicated on the workpiece engineering drawing. The detected geometry is used to determine the

geometrical deviations.



Assignment by computation of ideal geometrical elements and their parameters from the probed



(According to Aukom e.V.)

