

Dimensioning

General Principles

Dimensioning is the process of applying measurements/sizes to technical drawings. The correct process for dimensioning is outlined below. Using dimensioning allows the designer and draughtsman to communicate the information required for the manufacture of products. Dimensions should be applied to the drawing accurately and clearly.

When Dimensioning:

- A. Projection lines connect to dimension lines.
- B. Dimensions are kept outside the drawing as much as possible to improve clarity.
- C. Crossing of dimension lines should be avoided.
- D. A 2mm gap should be kept between the projection line and part being dimensioned.
- E. Projection lines are drawn at right angles to the object.
- F. Dimension lines should never be broken, even if interrupted by another.
- G. A slim block arrow head should be used at the end of a dimension line indicating the position of the part being dimensioned.
- H. On horizontal dimensions the number should always be placed above the dimension line and in the centre of the dimension line.
- I. On vertical dimensions the numbers should always read from bottom to top and be placed on the left hand side of the line. They should also be kept central.

