

Dimensioning Notes

What is a dimension line? (5)

What is an extension line? (5)

What is shape description? (6-7)

What are size dimensions? (6-7)

What are location dimensions? (6-7)

Dimensions on a drawing should be **exact and clear**. Dimensions should be given to points and surfaces that are **accessible** to the worker so they don't have to **assume** anything. Dimensions should not be duplicated, not be duplicated, not be duplicated. Drafters should be familiar with and understand the materials used in their parts to have better judgment in the engineering. (8)

Placement of dimension lines. Tips and sketches. How should they be drawn? (9-11)

What are leader lines? How should they be drawn? (13-15)

In the old days, drawings were not dimensioned. It was up to the person manufacturing the goods to measure the drawing. However, today we don't do that because we don't want anyone to ASSUME anything. As increased accuracy became industry standard, most machined parts are drawn **to decimal dimensions**. However, some common fractions are still used. (19)

Dual dimensioning will show **both** mm and decimal inch to facilitate the changeover between metric and imperial.

How to dimension arcs. (21)

How to dimension cylinders. (21)

How to dimension angles. (21)

How to dimension holes. (23-24)

Some dimensioning symbols. (26)