

### Dimensioning Basics

The following figures show some very important basic rules of dimensioning. Sketch the following figures.

Figure 11.2 Dimensioning Technique (Metric)

Dimension spacing =  
.5" for first line,  
.3" for second  
Arrowheads/ leaders = .125"  
Text Height = .125"

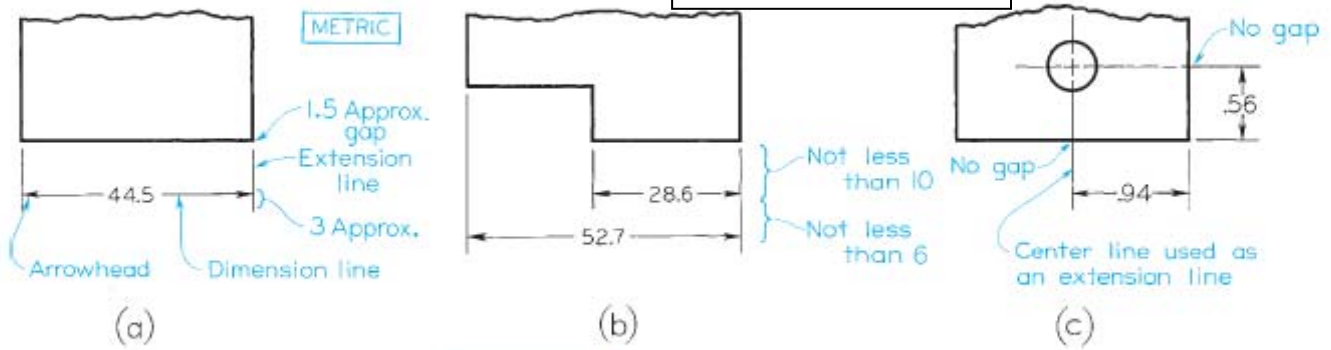


FIGURE 11.2 Dimensioning Technique.

Figure 11.3 Dimension and Extension Lines

Spacing between multiple text lines =  
.125"  
Spacing between new text lines = .25"

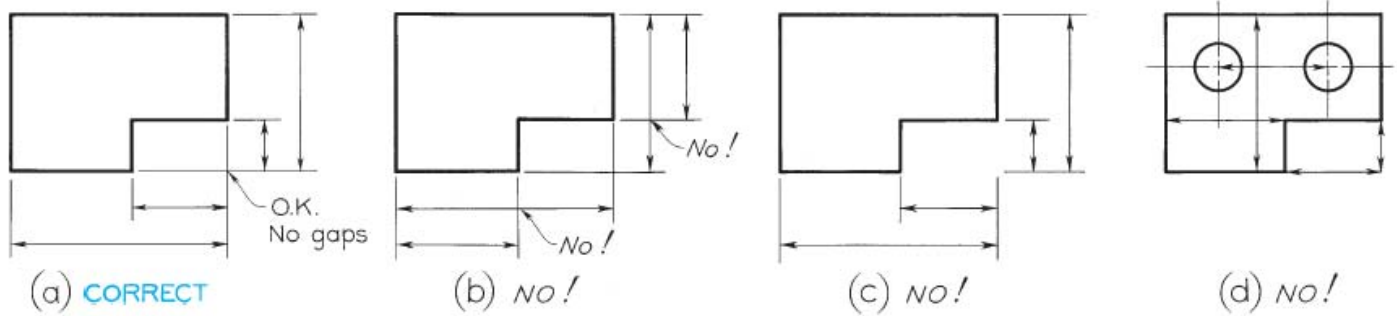


FIGURE 11.3 Dimension and Extension Lines.

Figure 11.4 Grouped Dimensions

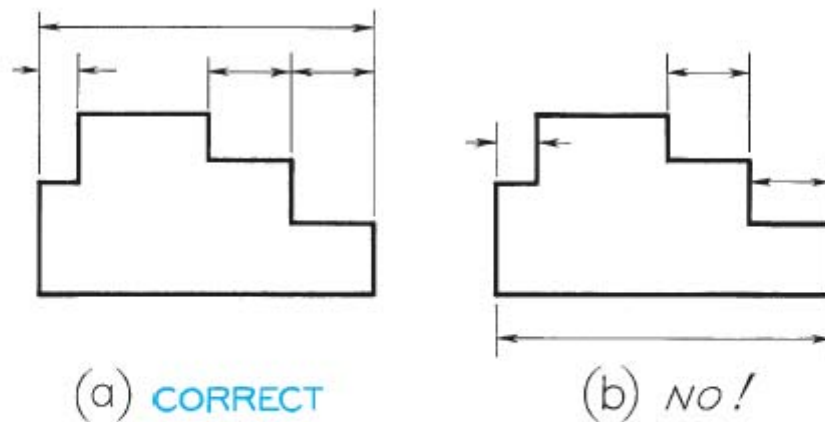
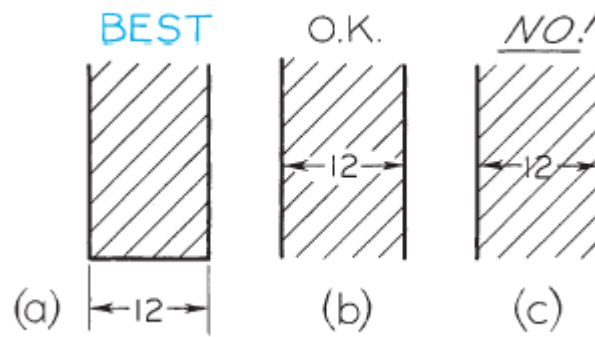


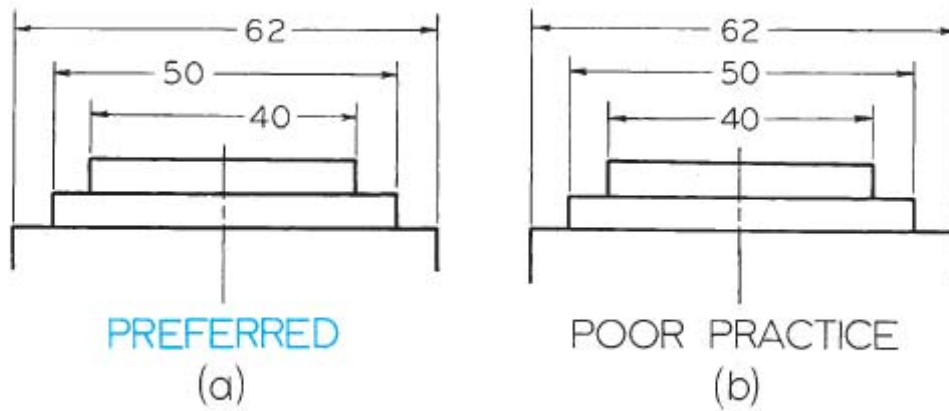
FIGURE 11.4 Grouped Dimensions.

Figure 11.13 Dimensions and Section Lines. Metric



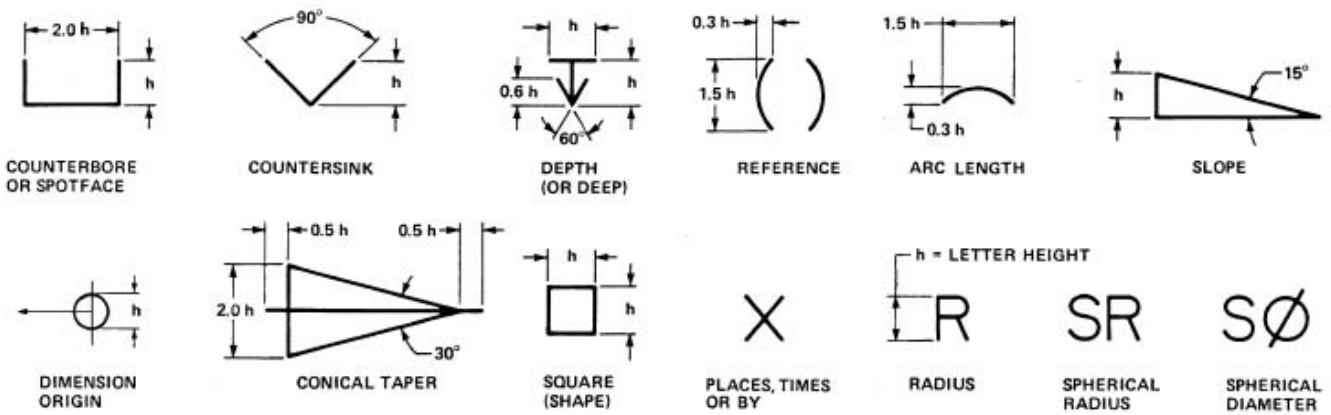
**FIGURE 11.13** Dimensions and Section Lines. Metric.

Figure 11.14 Staggered Numerals. Metric



**FIGURE 11.14** Staggered Numerals. Metric.

Figure 11.29 Forms and Proportion of Dimensioning Symbols



**FIGURE 11.29** Form and Proportion of Dimensioning Symbols (ANSI/ASME Y14.5M-1994).