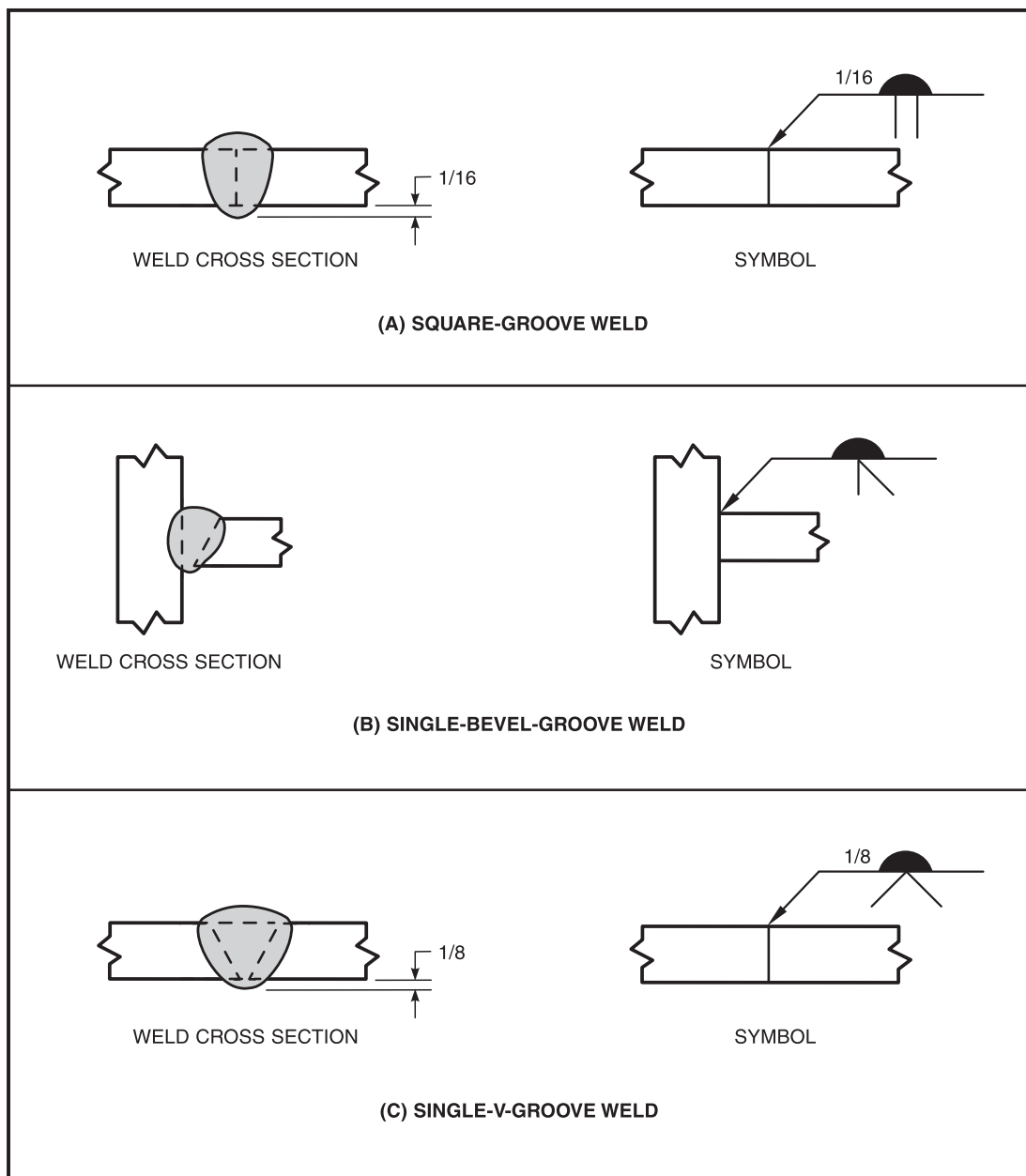


**Figure 6—Applications of the Break in the Arrow of the Welding Symbol**

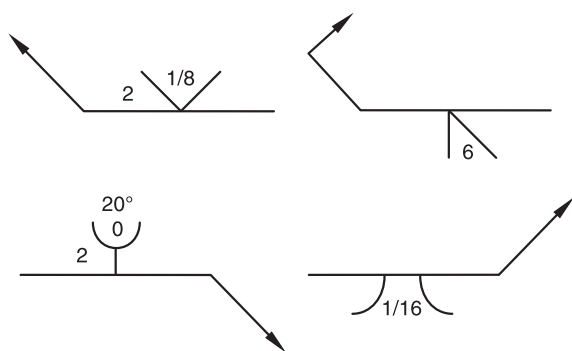


**Figure 11—Application of the Melt-Through Symbol**

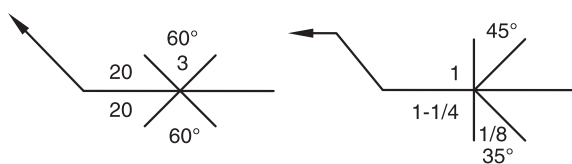
## 7. Groove Welds

### 7.1 General

**7.1.1 Single-Groove Dimensions.** Groove weld dimensions shall be specified on the same side of the reference line as the weld symbol [see Figure 12(A) and (F)].

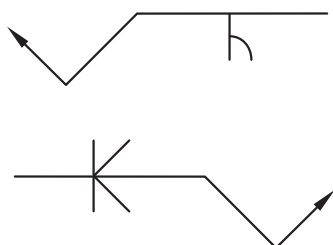


**7.1.2 Double-Groove Dimensions.** Each groove of a double-groove joint shall be dimensioned; however, the root opening need appear only once (see Figure 13).



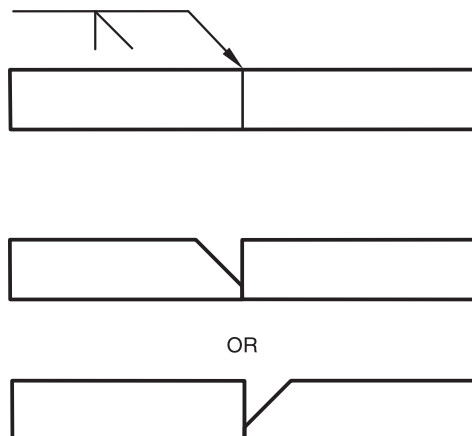
### 7.1.3 Broken Arrow and the Straight Arrow

**7.1.3.1 Broken Arrow.** A broken arrow is used, when necessary, to specify which member is to have a bevel- or J-groove edge shape for single- or double-bevel and single- or double-J-groove welds [see 6.4.1 and Figure 12(B)].

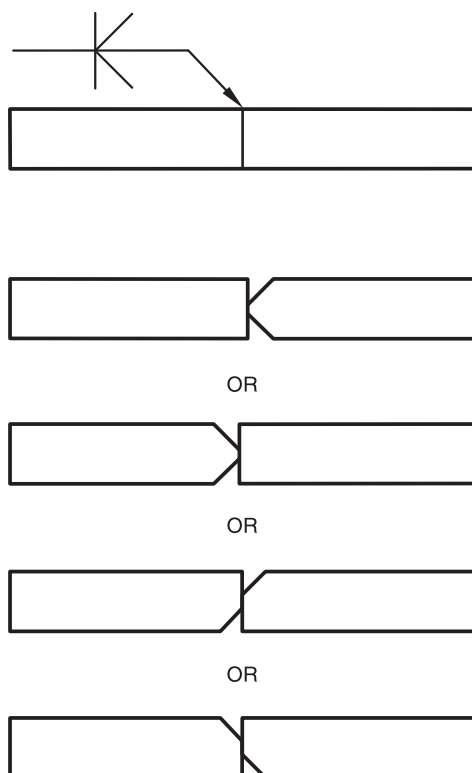


**7.1.3.2 Straight Arrow for Single-Groove Welds.** A straight arrow is used when either member may have

the desired edge shape for single-bevel- or single-J-groove welds.



**7.1.3.3 Straight Arrow for Double-Groove Welds.** A straight arrow is used when either or both members may have the desired edge shape for double-bevel- or double-J-groove welds. The edge shape may be in one member on the arrow side of the joint and in the second member on the other side of the joint.



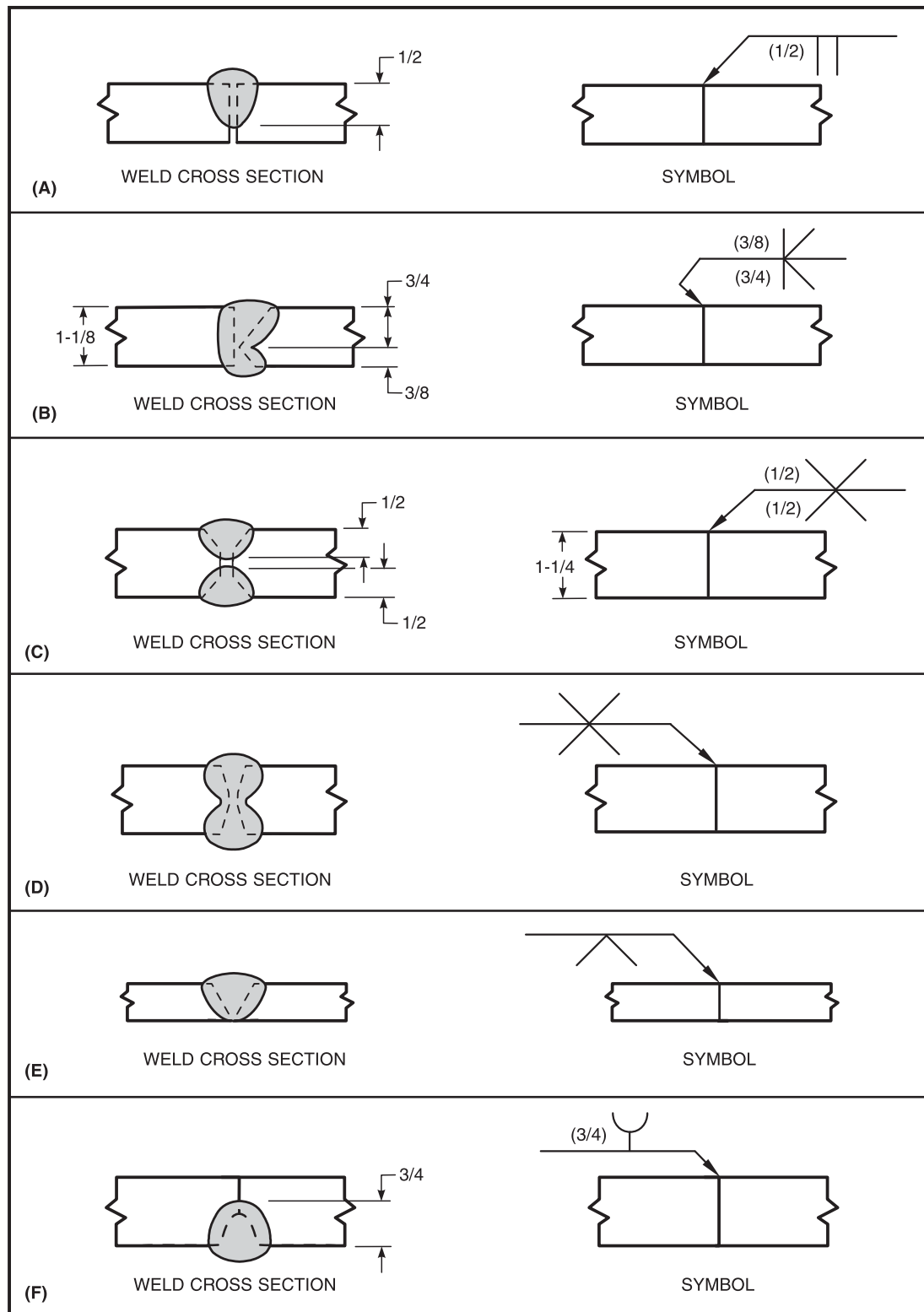


Figure 12—Specification of Groove Weld Size, Depth of Groove Not Specified