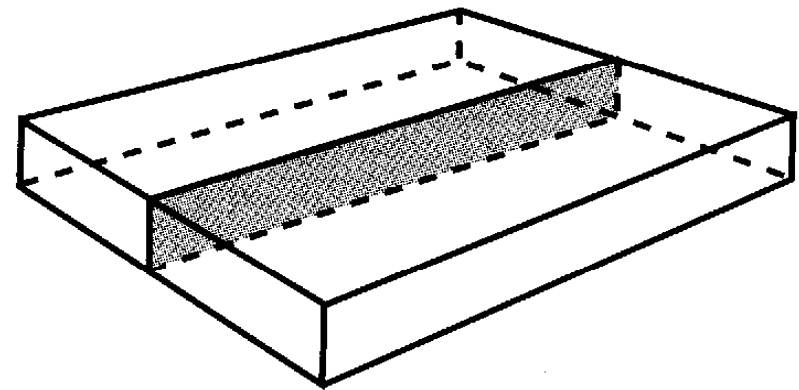


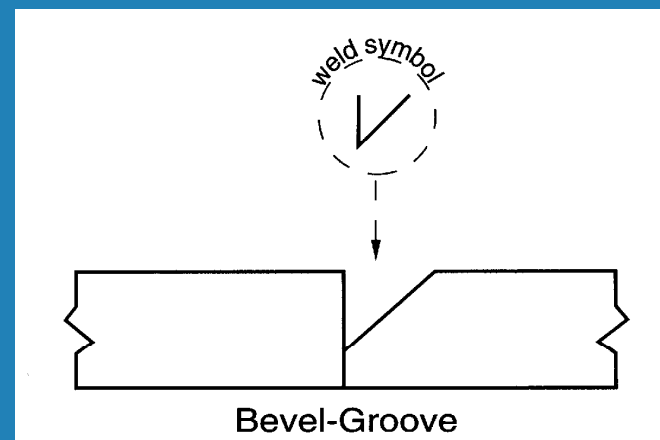
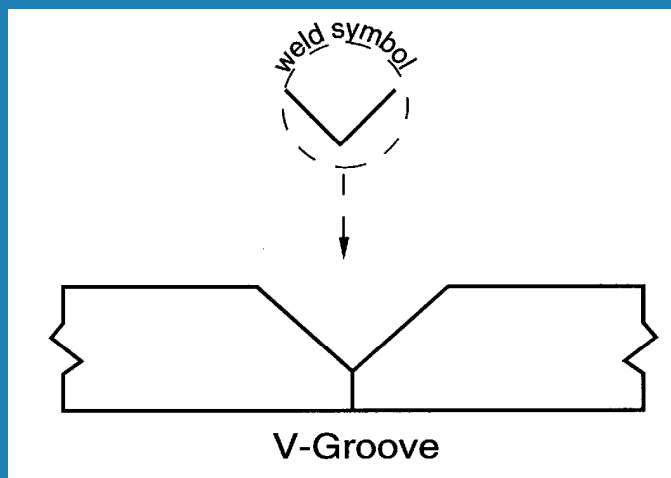
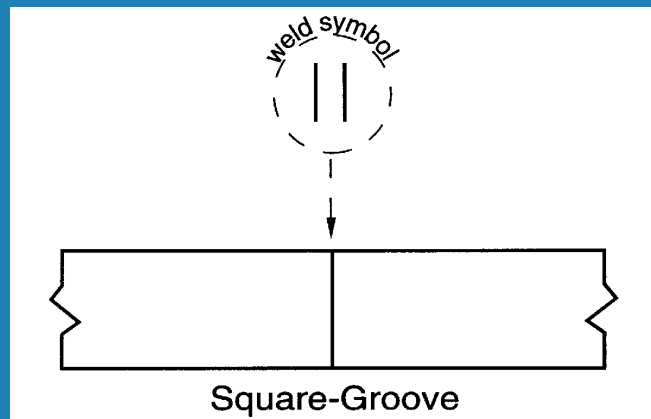
Five Basic Welded Joints

Butt Joint

Butt joint- a joint between two members aligned approximately in the same plane

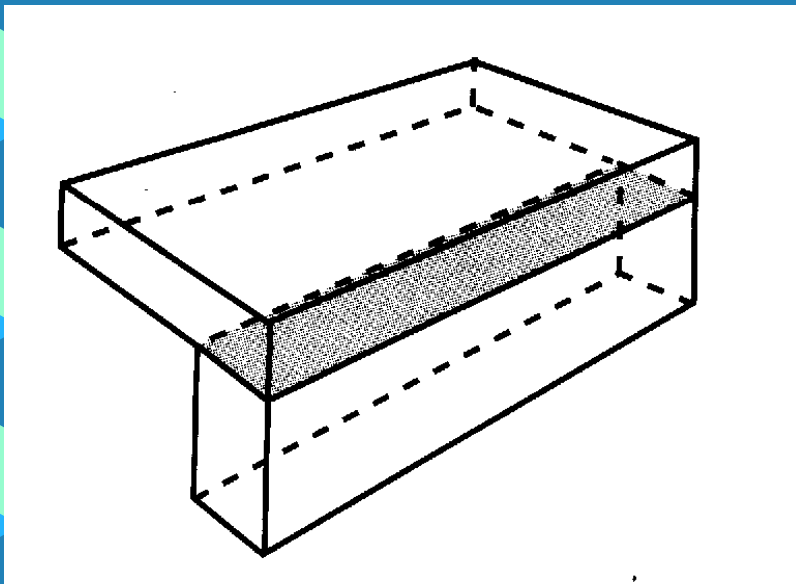


Different Edge Shapes and Symbols for some Butt-Joints



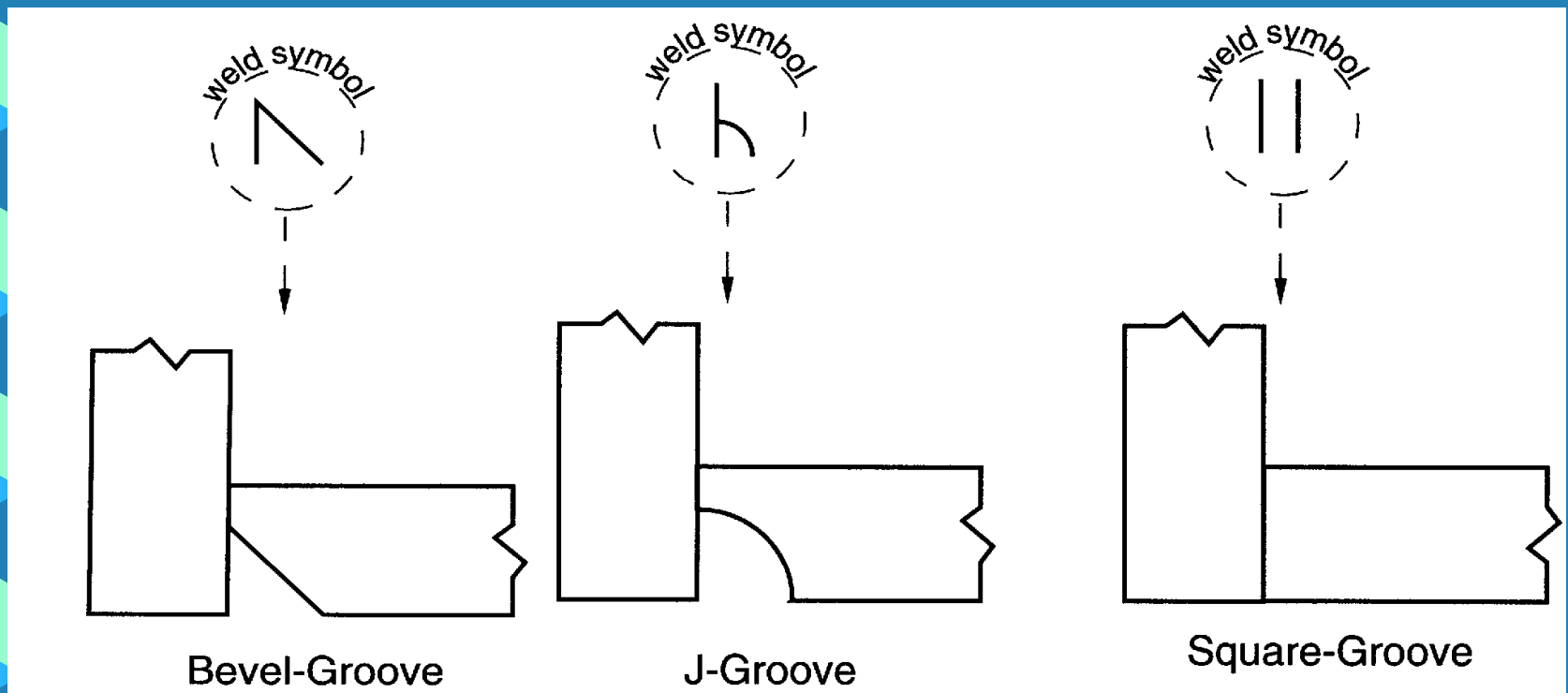
Five Basic Welded Joints

Corner Joint



Corner joint - a joint between two members located at right angles to each other

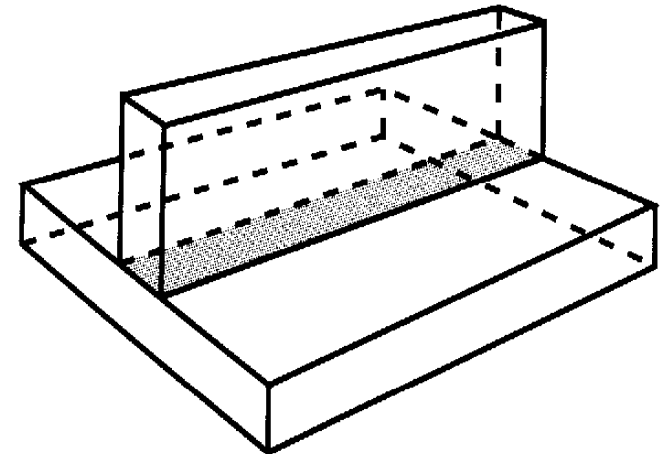
Some Different Edge Shapes and Symbols for Corner Joints



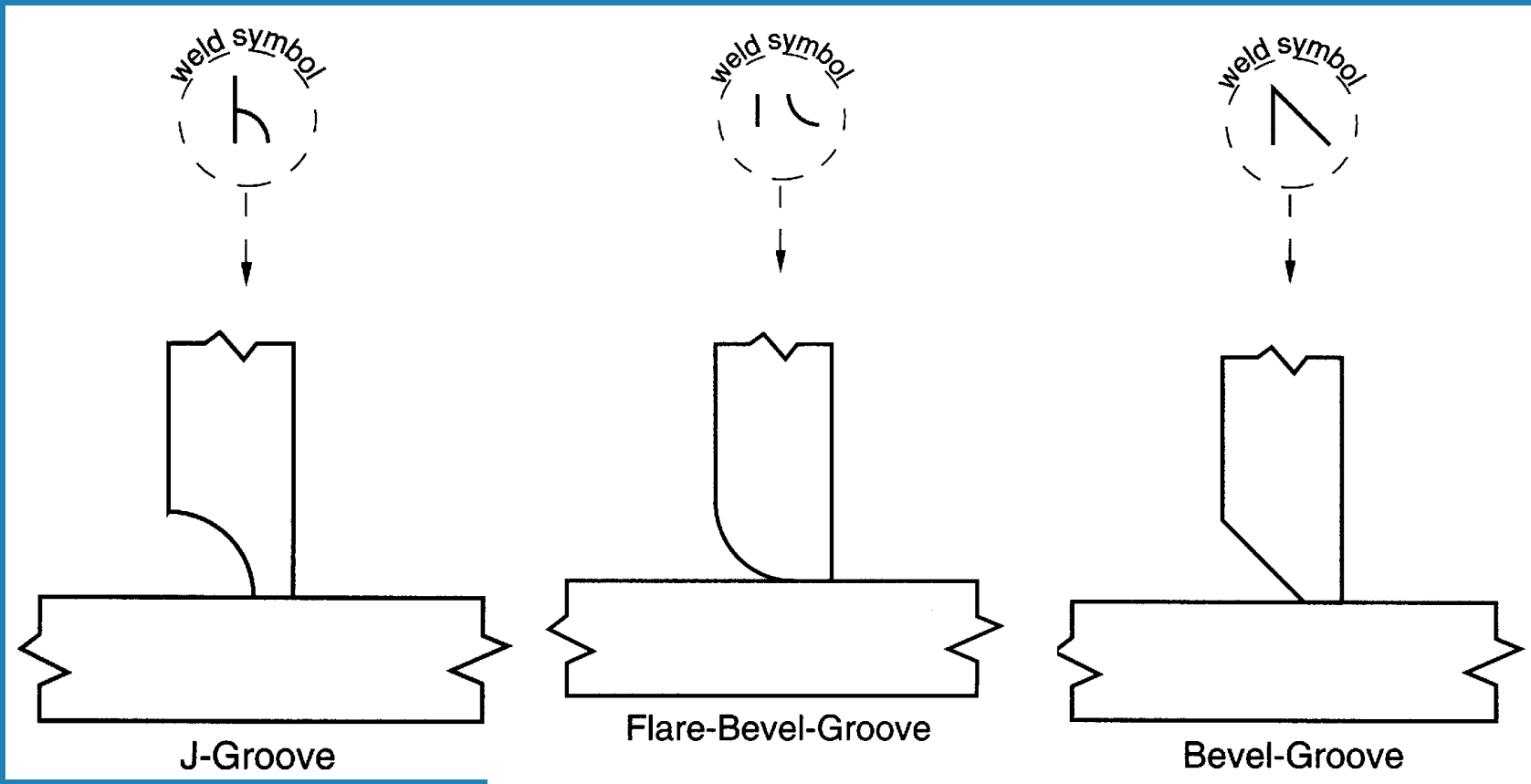
Five Basic Welded Joints

T-Joint

T-joint - a joint between two members located approximately at right angles to each other in the form of a T

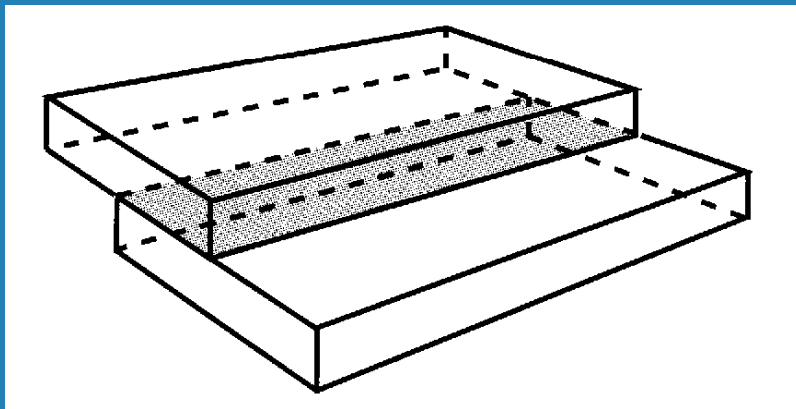


Some Different Edge Shapes and Symbols for T-Joint



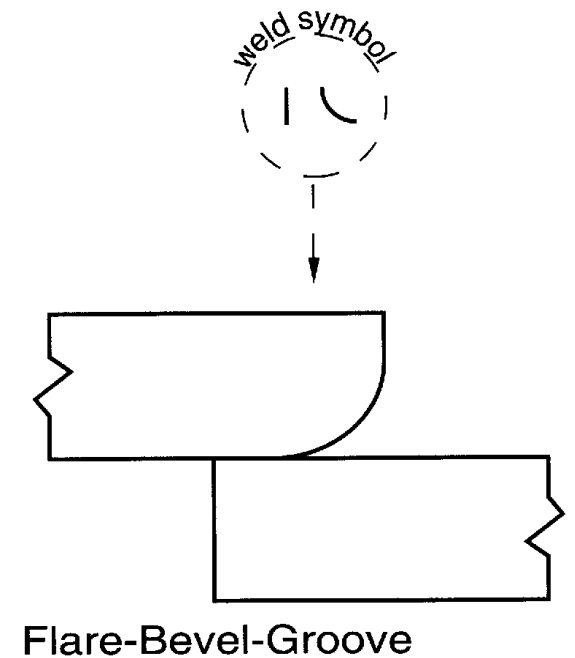
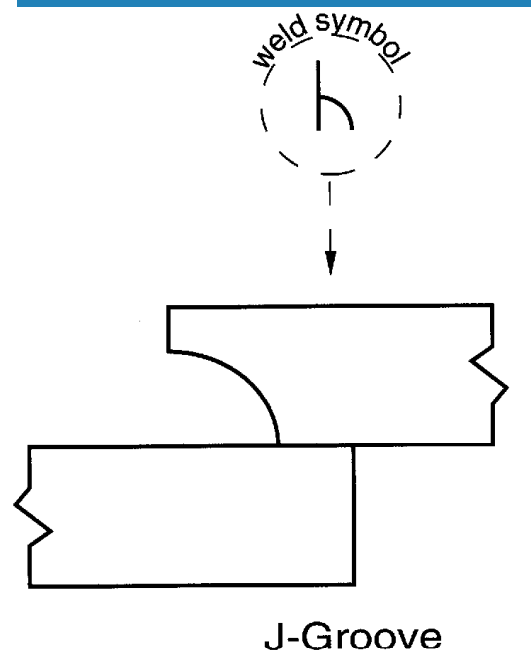
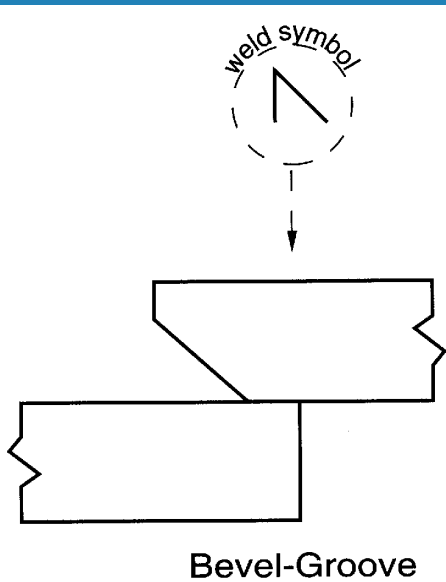
Five Basic Welded Joints

Lap Joint



Lap Joint- a joint between two overlapping members

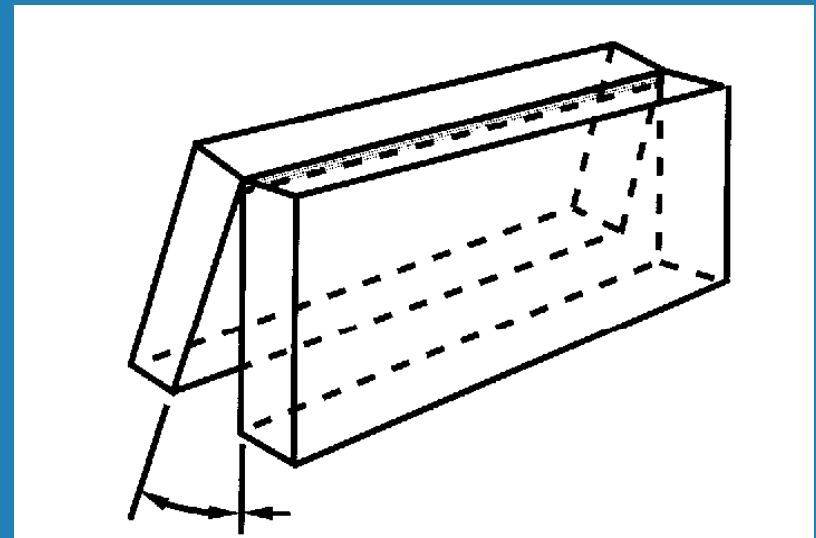
Some Different Edge Shapes and Symbols for Lap Joints



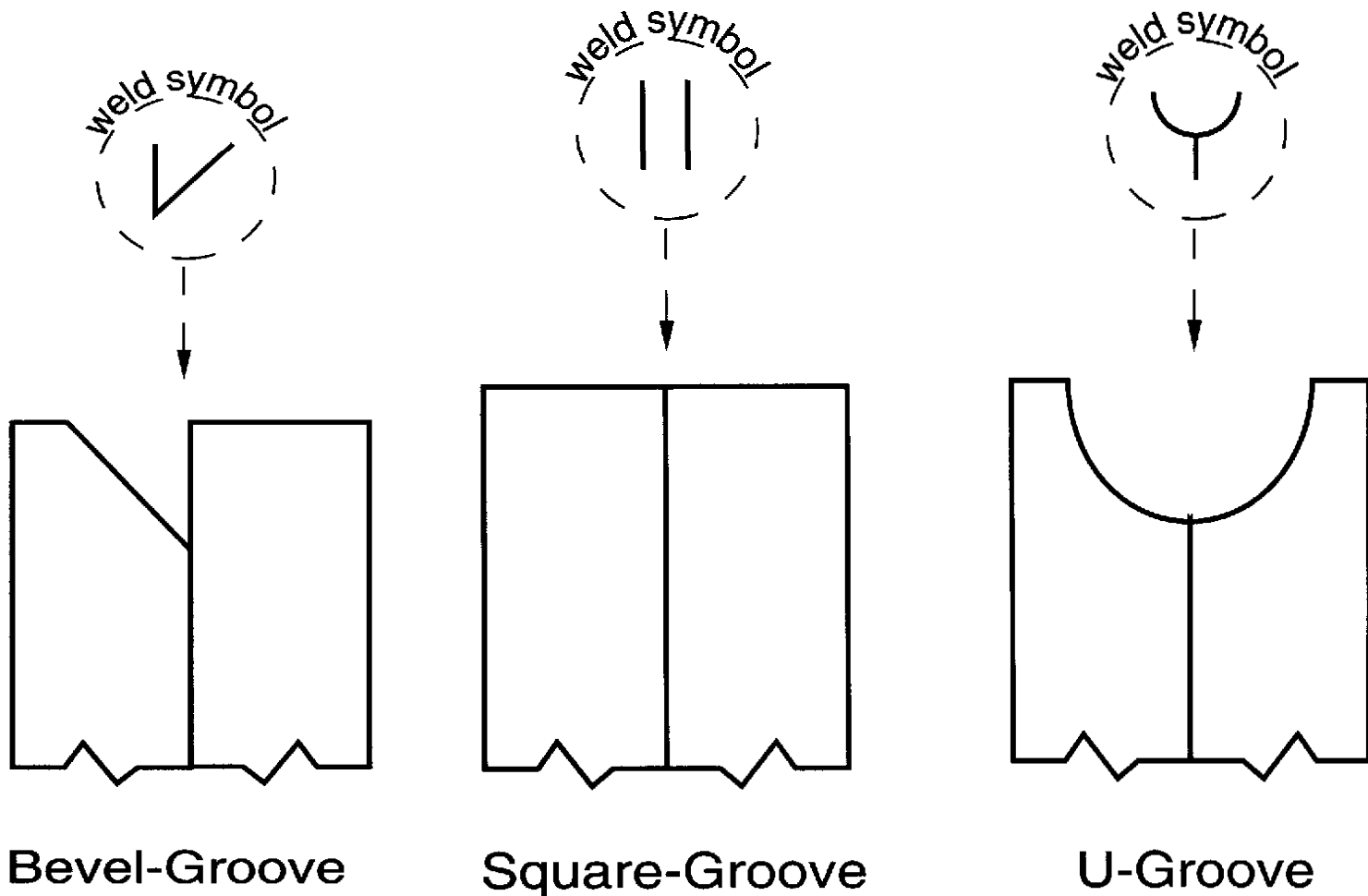
Five Basic Welded Joints

Edge Joint

Edge joint- a joint between the edges of two or more parallel or nearly parallel members



Some Different Edge Shapes and Symbols for Edge Joints

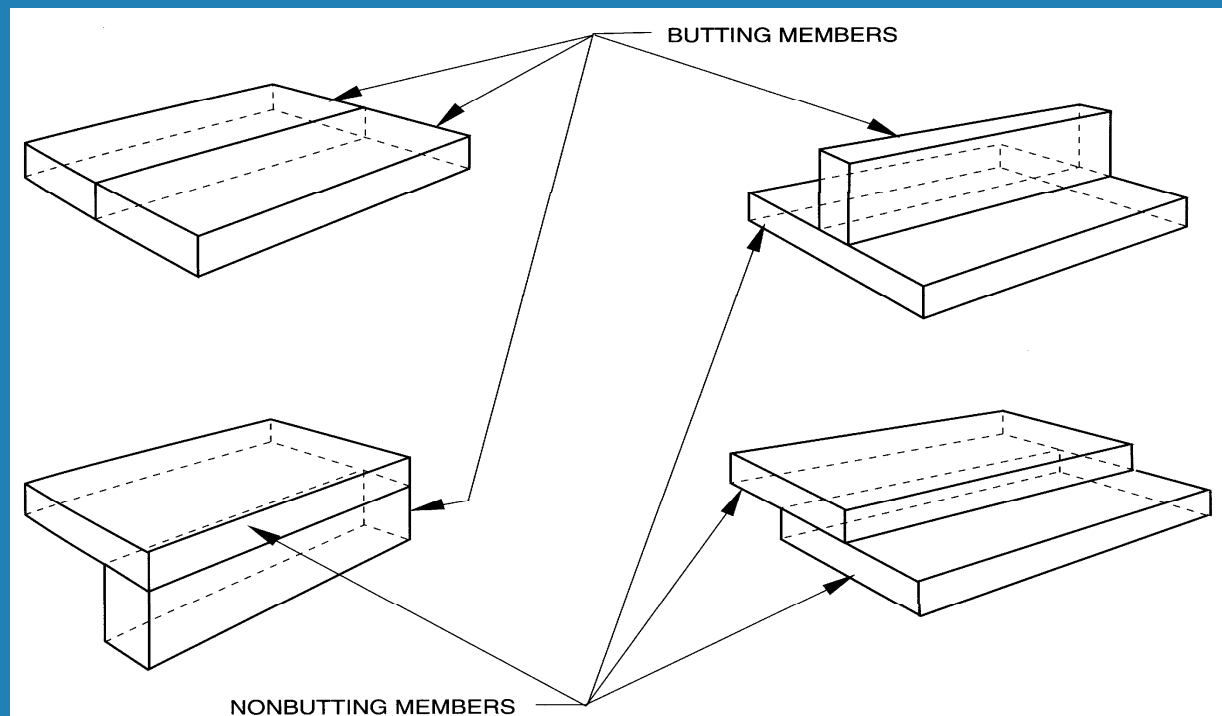




Proper terminology is needed in everyday job communication

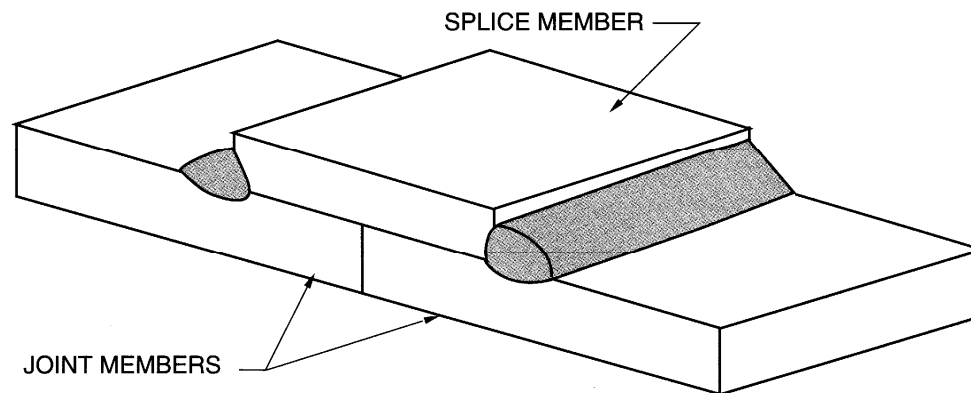
- ∩ ***Joint design*** identifies, "the shape , dimensions, and configuration of the joint
- ∩ The individual workpieces of a joint are called ***members***
- ∩ Three types members nonbutting member, butting member , and splice member

A butting member is “a joint member that is prevented, by the other member from movement in one direction perpendicular to its thickness dimension”

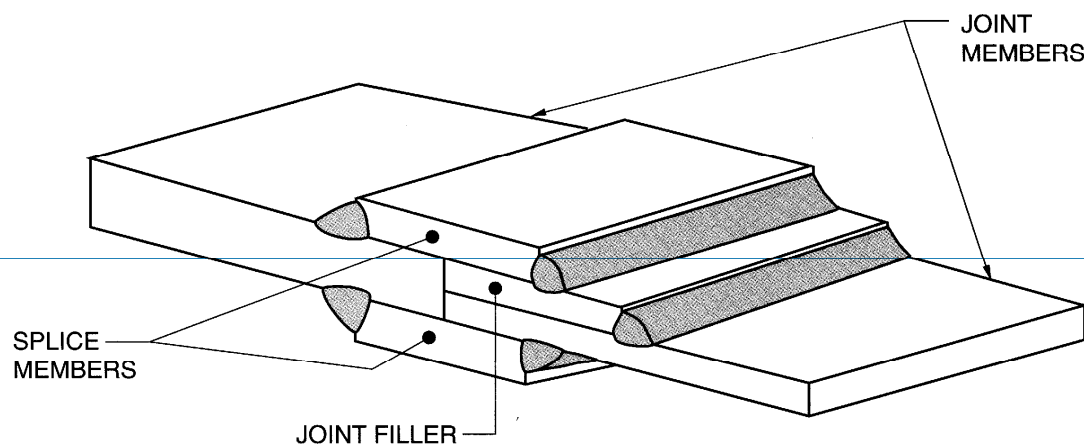


A nonbutting member is “a joint member that is free to move in any direction perpendicular to its thickness dimension”

A splice member is " the work piece that spans the joint in a spliced joint



Single-spliced
butt joint



Double-spliced
butt joint with
joint filler