Butt Joint

Butt joint - a joint between two members aligned approximately in the same plane.
Different Edge Shapes and Symbols for some Butt-Joints

- Square-Groove
- V-Groove
- Bevel-Groove
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

Bevel-Groove

J-Groove

Square-Groove
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

- J-Groove
- Flare-Bevel-Groove
- Bevel-Groove
Five Basic Welded Joints

Lap Joint

Lap Joint - a joint between two overlapping members
Some Different Edge Shapes and Symbols for Lap Joints

- Bevel-Groove
- J-Groove
- Flare-Bevel-Groove
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

- Bevel-Groove
- Square-Groove
- U-Groove
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**