Spot, Seam, and Stud Welding Symbols

### Spot Welding Symbol
- Size or strength
- Number of welds
- Pitch
- Process

### Seam Welding Symbol
- Size or strength
- Increment length
- Pitch
- Process

### Stud Welding Symbol
- Size
- Pitch
- Number of studs

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- Size
- Pitch
- Number of studs
Location of Elements of a Welding Symbol

- **Weld symbol:**
  - Number of spot, seam, stud, plug, slot, or projection welds

- **Finish symbol:**
  - Groove angle: included angle of countersink for plug welds
  - Root opening: depth of filling for plug and slot welds

- **Contour symbol:**
  - Length of weld
  - Pitch (center-to-center spacing) of welds

- **Groove weld size:**
  - Depth of bevel; size or strength for certain welds

- **Specialization:**
  - Specification, process, or other reference

- **Specialization for both sides:**
  - Field weld symbol
  - Weld-all-around symbol

- **Elements in this area:**
  - Elements remain as shown when tail and arrow are reversed

- **Tail:**
  - Omitted when reference is not used

- **Reference line:**
  - Arrow connecting reference line to arrow side member of joint or arrow side of joint

- **Arrow:**
  - Pointing to member of joint or arrow side of joint

- **Reference:**
  - Another side

- **S(E):**
  - Sides
  - Other side

- **N:**
  - Date