
Legend for Figures 2.4 and 2.5

Symbols for joint types

B — butt joint
 C — corner joint
 T — T-joint
 BC — butt or corner joint
 TC — T- or corner joint
 BTC — butt, T-, or corner joint

Symbols for base-metal thickness and penetration

L — limited thickness-CJP
 U — unlimited thickness-CJP
 P — PJP

Symbol for weld types

1 — square-groove
 2 — single-V-groove
 3 — double-V-groove
 4 — single-bevel-groove
 5 — double-bevel-groove
 6 — single-U-groove
 7 — double-U-groove
 8 — single-J-groove
 9 — double-J-groove

Symbols for welding processes if not SMAW

~~S — SAW~~
~~G — GMAW~~
~~F — FCAW~~

Welding processes

SMAW — shielded metal arc welding
 GMAW — gas metal arc welding
 FCAW — flux cored metal arc welding
 SAW — submerged arc welding

Welding positions

~~F — flat~~
 H — horizontal
 V — vertical
 OH — overhead

Dimensions

R = Root Opening
 α, β = Groove Angles
 r = Root Face
 r = J- or U-groove Radius
 S, S₁, S₂ = PJP Groove Weld Depth of Groove
 E, E₁, E₂ = PJP Groove Weld Sizes corresponding to
 S, S₁, S₂, respectively

Joint Designation

The lower case letters, e.g., a, b, c, etc., are used to differentiate between joints that would otherwise have the same joint designation.
