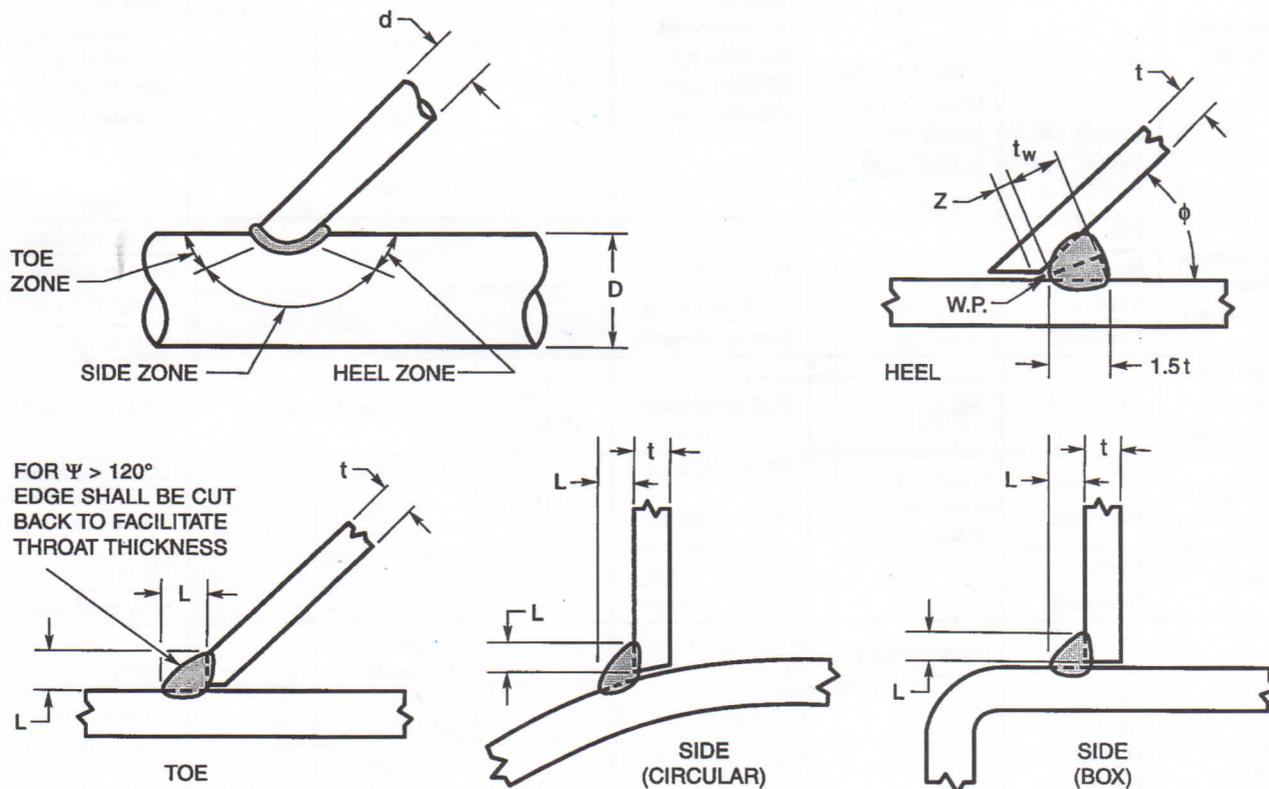


Figure 3.1—Weld Bead in which Depth and Width Exceed the Width of the Weld Face (see 3.7.2)



MIN L FOR

	$E = 0.7t$	$E = t$	$E = 1.07t$
HEEL < 60°	1.5t	1.5t	LARGER OF 1.5t OR $1.4t + Z$
SIDE ≤ 100°	t	1.4t	1.5t
SIDE 100–110°	1.1t	1.6t	1.75t
SIDE 110–120°	1.2t	1.8t	2.0t
TOE > 120°	t BEVEL	1.4t BEVEL	FULL BEVEL 60–90° GROOVE

General Notes:

- t = thickness of thinner part.
- L = minimum size (see 2.24.1.3 which may require increased weld size for combinations other than 36 ksi [250 MPa] base metal and 70 ksi [485 MPa] electrodes).
- Root opening 0 to 3/16 in. [5 mm] (see 5.22).
- Not prequalified for $\phi < 30^\circ$. For $\phi < 60^\circ$, the Z loss dimensions in Table 2.8 apply. See Table 4.9 for welder qualification position requirements.
- See 2.23.1.2 for limitations on $\beta = d/D$.

Figure 3.2—Fillet Welded Prequalified Tubular Joints Made by SMAW, GMAW, and FCAW (see 3.9.2)