

Note: All tolerances single plane and as shown.

*Dimensions on this line are to be within tolerance shown but are not to differ from the opposite parallel dimension more than 1/2 in. (15 mm).

**Angular deviation—maximum ± 2-1/2 degrees or ± 1/2 in./ft (40 mm/m), but not less than 1/2 in. (15 mm) on all 90 degree hooks and bends.

"If application of positive tolerance to Type 9 results in a chord length ≥ the arc or bar length, the bar may be shipped straight.

Tolerances for Types S1-S6, S11, T1-T3, T6-T9 apply to bar size No. 3

Tolerances for Types S1-\$6, S11, T1-T3, T6-T9 apply to bar size No. through 8 (No. 10 through 25) inclusive only.

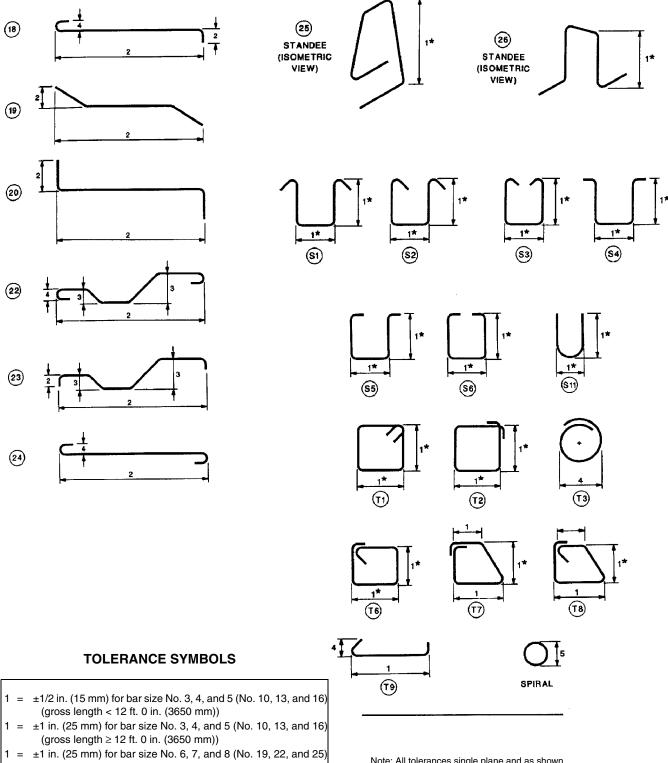
 $2 = \pm 1$ in. (25 mm) 3 = +0, -1/2 in. (15 mm) $4 = \pm 1/2$ in. (15 mm) $5 = \pm 1/2$ in. (15 mm) for diameter ≤ 30 in. (760 mm) $5 = \pm 1$ in. (25 mm) for diameter > 30 in. (760 mm) $6 = \pm 1.5\% \times \text{"O" dimension}, \geq \pm 2$ in. (50 mm) minimum

Fig. 8—Standard fabricating tolerances for bar sizes No. 3 through 11 (No. 10 through 36).

3 = +0, -1/2 in. (15 mm)

 $5 = \pm 1/2$ in. (15 mm) for diameter ≤ 30 in. (760 mm) $5 = \pm 1$ in. (25 mm) for diameter > 30 in. (760 mm) 6 = $\pm 1.5\% \times$ "O" dimension, $\geq \pm 2$ in. (50 mm) minimum

 $4 = \pm 1/2 \text{ in. } (15 \text{ mm})$



Note: All tolerances single plane and as shown. $2 = \pm 1 \text{ in. } (25 \text{ mm})$

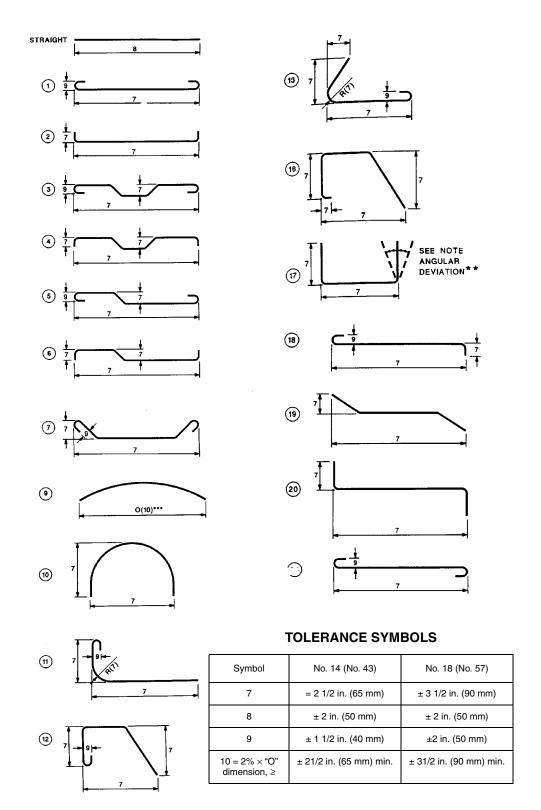
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"Angular deviation—maximum \pm 2-1/2 degrees or \pm 1/2 in/ft (40 mm/m), but not less than 1/2 in. (15 mm) on all 90 degree hooks and bends.

**If application of positive tolerance to Type 9 results in a chord length ≥ the arc or bar length, the bar may be shipped straight.

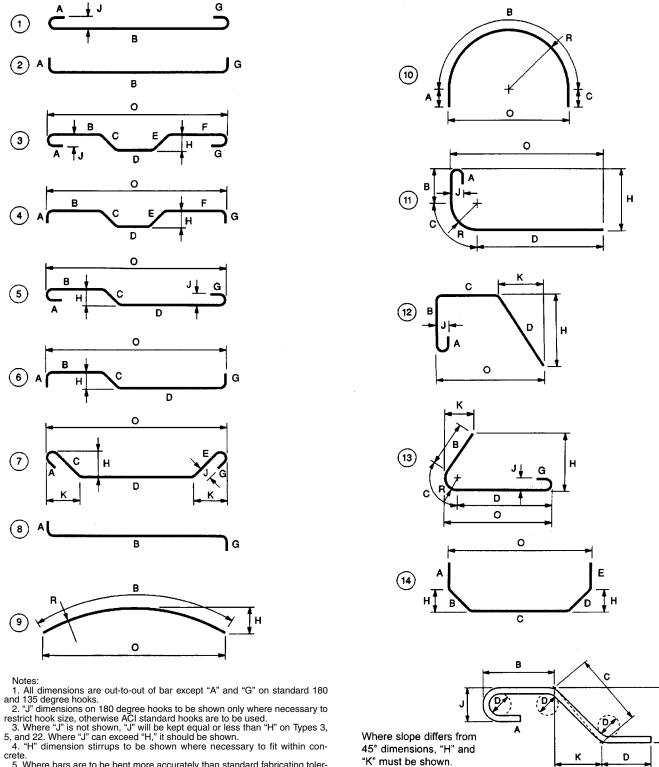
Tolerances for Types S1-S6, S11, T1-T3, T6-T9 apply to bar size No. 3 through 8 (No. 10 through 25) inclusive only.

Fig. 8 (cont.)—Standard fabricating tolerances for bar sizes No. 3 through 11 (No. 10 through 36).



Note: All tolerances single plane as shown. Saw-cut both ends—Overall length \pm 1/2 in. (15 mm). "Angular deviation—Maximum \pm 2 1/2 degrees or \pm 1/2 in./ft (40 mm/m) on all 90 degree hooks and bends. "If application of positive tolerance to Type 9 results in a chord length \geq the arc or bar length, the bar may be shipped straight.

Fig. 9—Standard fabricating tolerances for bar sizes No. 14 and 18 (No. 43 and 57).



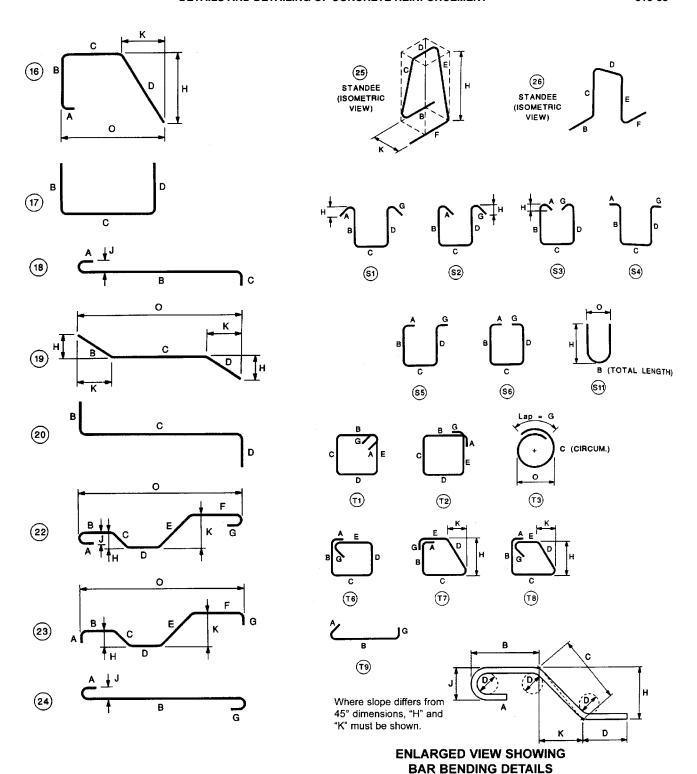
ENLARGED VIEW SHOWING BAR BENDING DETAILS

"K" must be shown.

D

- 5. Where bars are to be bent more accurately than standard fabricating tolerances, bending dimensions that require closer fabrication should have limits indicated.
- 6. Figures in circles show types.
 7. For recommended diameter "D" of bends and hooks, see Section 3.7.1; for recommended hook dimensions, see Table 1.
- 8. Unless otherwise noted, diameter "D" is the same for all bends and hooks on a bar (except for Types 11 and 13).

Fig. 10—Typical bar bends.



- Notes: 1. All dimensions are out-to-out of bar except "A" and "G" on standard 180 $\,$
- 1. All dimensions are out-to-out of bar except. A and G off standard 180 and 135 degree hooks.

 2. "J" dimensions on 180 degree hooks to be shown only where necessary to restrict hook size, otherwise ACI standard hooks are to be used.

 3. Where "J" is not shown, "J" will be kept equal or less than "H" on Types 3, and 22. Where "J" can exceed "H," it should be shown.

 4. "H" dimension stirrups to be shown where necessary to fit within concrete.
- 5. Where bars are to be bent more accurately than standard fabricating toler-
- ances, bending dimensions that require closer fabrication should have limits indicated.
- 6. Figures in circles show types.
 7. For recommended diameter "D" of bends and hooks, see Section 3.7.1; for recommended hook dimensions, see Table 1.
 8. Type S1 through S6, S11, T1 through T3, T6 through T9: apply to bar sizes No. 3 through 8 (No. 10 through 25).
 9. Unless otherwise noted, diameter "D" is the same for all bends and hooks
- on a bar (except for Types 11 and 13).