

Agenda Item: 650-1118

Title: API 650 Figure 5.8 Clarification

Date: May 5, 2026

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Purpose: Revise incorrect note from Figure 5.8

Reference: API 650 Figure 5.8

Revision: 0

Impact: Clarify reference of t_{min} from $\frac{3}{4}$ " to the thinner of the parts joined.

Background: API-650 Figure 5.8 note 8 states that t_{min} shall be $\frac{3}{4}$ " or the thickness of either part joined, whichever is less. The maximum thickness of the shell for Type C and D nozzles is $\frac{3}{8}$ " so the size could never be $\frac{3}{4}$ ".

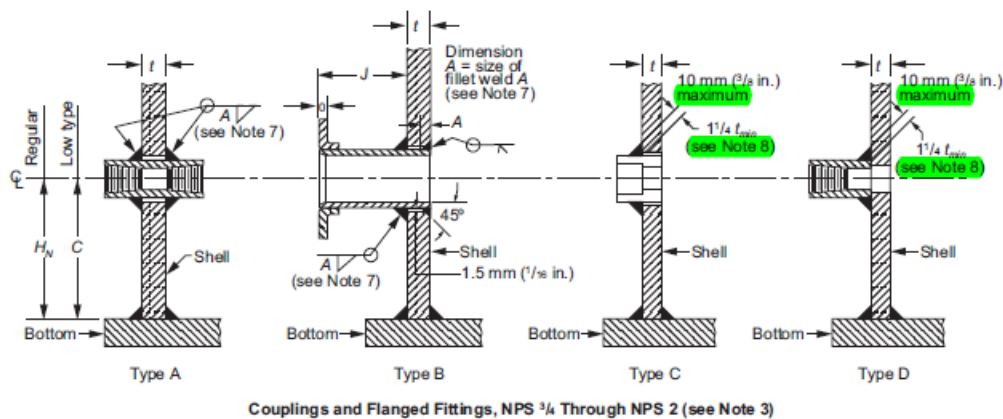
Proposal: Change the verbiage in the note.

Rationale: Removes confusion that could be caused by an incorrect note.

LEGEND:

Black text is the existing API 650 language.

Colored text is the recommended changes to the 650 standard.

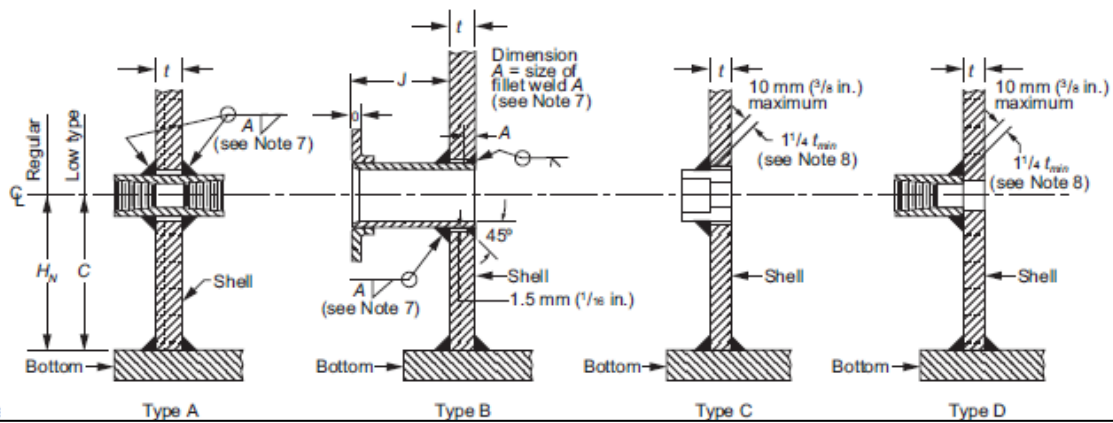


NOTES (continued)

7. See Table 5.7a and Table 5.7b, Column 8.

8. t_{min} shall be 10 mm ($\frac{3}{8}$ in.) or the thickness of either part joined by the fillet weld, whichever is less.

9. The construction details apply to unreinforced threaded, non-threaded, and flanged nozzles.



8. t_{min} shall be 10 mm (3/8 in.) or thickness of either part joined, whichever is less.

NOTES (continued)

7. See Table 5.7a and Table 5. 7b, Column 6.

8. t_{min} shall be 19 mm ($3/4$ in.) or the thickness of either part joined by the fillet weld, whichever is less.

9. The construction details apply to unreinforced threaded, non-threaded, and flanged nozzles.

Figure 5.8—Shell Nozzles (continued)