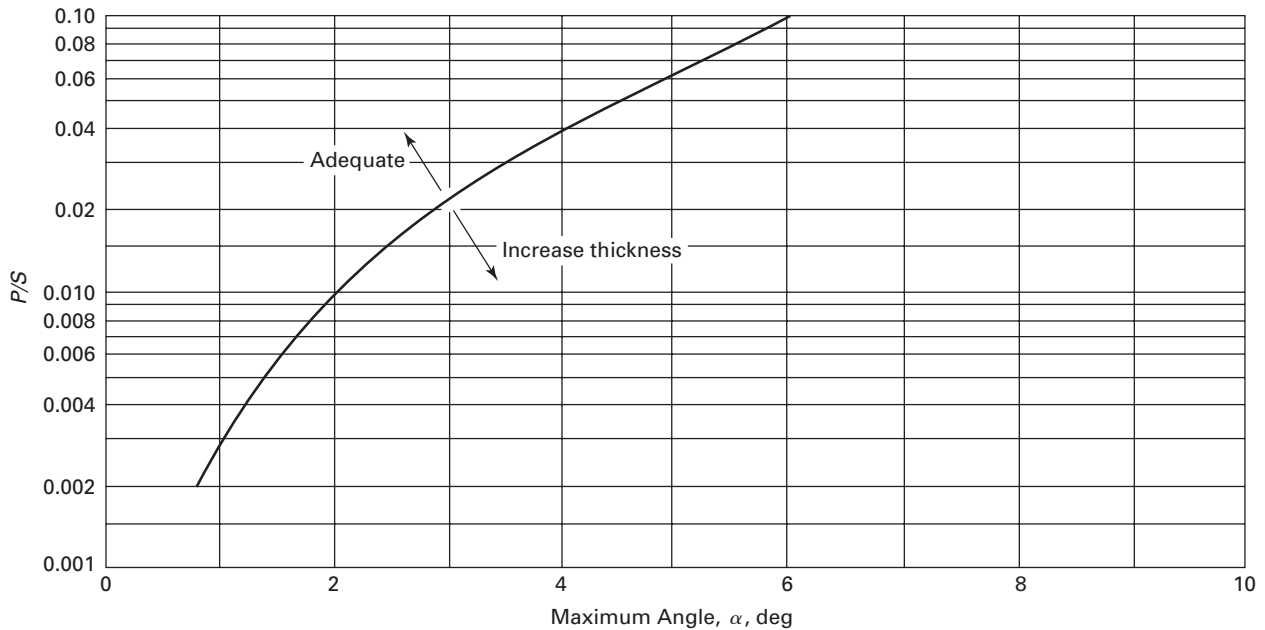


**Figure NC-3224.13(c)(6)(-a)-1
Inherent Reinforcement for Small End of Cone-Cylinder Junction**



GENERAL NOTE: Curve governed by membrane stress intensity due to average circumferential tension stress and average radial compression stress limited by $1.1S_m$ at $0.25 \sqrt{\text{rad.} \times \text{thk.}}$ either side of junction.

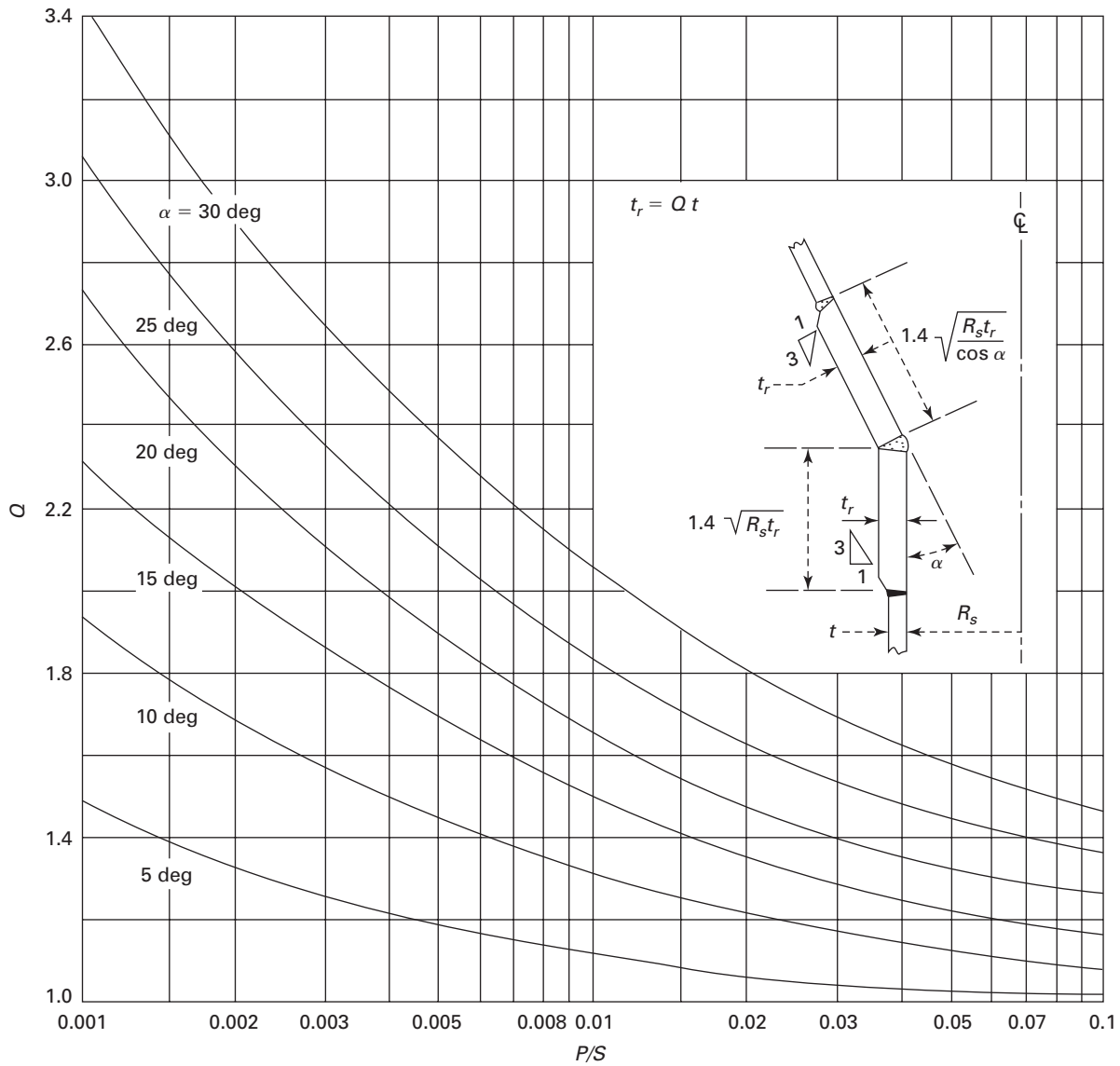
(b) the minimum thickness of standard wall pipe plus the corrosion allowance on the connections. The minimum thickness for all pipe materials is the nominal thickness listed in Table 2 of ASME B36.10M less 12½%. For diameters other than those listed in the table, the minimum thickness shall be that of the next larger pipe size.

NC-3224.15 Other Loadings. When necessary, vessels shall be provided with stiffeners or other additional means of support to prevent overstress or large distortions under the external loadings listed in NC-3111 other than pressure and temperature.

change to " $0.5\sqrt{(\text{radius}) \times (t)}$ "

insert: ", where 'radius' is $(R_s + t_r / 2)$ on the cylinder side and $(R_s + t_r / 2) / \cos \alpha$ on the cone side"

Figure NC-3224.13(c)(6)(-b)-1
Values for Q for Small End of Cone-Cylinder Junction



GENERAL NOTE: Curves governed by membrane stress intensity due to average circumferential tension stress and average radial compression stress limited by $1.1S_m$ at $0.25 \sqrt{\text{rad.} \times \text{thk.}}$ either side of junction.

change to " $0.5 \sqrt{(\text{radius}) \times (t)}$ "

insert: ", where 'radius' is $(R_s + t_r / 2)$ on the cylinder side and $(R_s + t_r / 2) / \cos \alpha$ on the cone side"