

**IGE/TD/12 EDITION 2
COMMUNICATION 1681
2003**

The following amendments (January 2005) apply to copies of IGE/TD/12 Edition 2 published in 2003 (Communication 1681). The amendments below have been incorporated into copies of Communication 1757 published in March 2012.

Clause 2.1 4th Bullet. Delete "IGE/GM/1". Substitute: IGE/GM/8

Clause 5.2.1 Delete formula entirely. Substitute:

$$t_{\min} = \frac{PDX}{20fS_{YT}}$$

Clause 8.5.7.1 In 1st equation. Delete n_{eq} . Substitute: n_{eq}

A2.3 1st Bullet. Add a note:

Note: Now obsolete. Superseded by BS EN 13480, metallic industry piping.

A3.3.1 Delete Equation for S_q . Substitute:

$$S_q = i_q \frac{16D_o M_q}{\pi[D_o^4 - D_i^4]} + i_s \frac{4V_T}{\pi[D_o^2 - D_i^2]}$$

A3.3.2 Delete all three equations. Substitute:

$$S_h = i_p \frac{P D_o}{2T} \pm i_b \frac{32M_b D_o}{\pi[D_o^4 - D_i^4]}$$

$$S_a = i_t \left[\left[\frac{P D_o}{4T} + \frac{4F}{\pi[D_o^2 - D_i^2]} \right] \right] \pm i_t \frac{32M_b D_o}{\pi[D_o^4 - D_i^4]}$$

$$S_q = i_q \frac{16D_o M_q}{\pi[D_o^4 - D_i^4]} + i_s \frac{4V_T}{\pi[D_o^2 - D_i^2]}$$

A3.3.3.1 Delete 6th line (2nd equation for S_a). Substitute:

$$S_a = i_p \frac{P d_o}{4t} \pm i_b \frac{w32 M_b d_o}{\pi[d_o^4 - d_i^4]} + i_t \frac{4F}{\pi[d_o^2 - d_i^2]}$$

A3.3.3.2 Delete 4th line (1st equation for S_a). Substitute:

$$S_a = i_p \frac{P D_o \pm i_b}{4T} \frac{32M_b D_b}{\pi[D_b^4 - D_i^4]} + i_t \frac{4F}{\pi[D_b^2 - D_i^2]}$$

Delete 6th line (2nd equation for S_a). Substitute:

$$S_a = i_p \frac{P d_o \pm i_b}{2t} \frac{32M_b D_b}{\pi[D_b^4 - D_i^4]} + i_t \frac{4F}{\pi[D_b^2 - D_i^2]}$$

Delete 7th line (equation for S_q). Substitute:

$$S = i \left[\frac{16 D_b M_q}{\pi D_b - D_i} + i \frac{4 V_T}{\pi D_b - D_i} \right]$$

A4.10.2 Table 13. 1st column, 2nd row. Insert: 1.0

A4.10.4 Table 15. Note 1. Delete entirely. Substitute:

If $L_1 \geq 0.5 \sqrt{r_i T_b}$, then r_e can be taken as the radius to the centre of T_b and $T_n = T_b$, otherwise $r_e = r_m$ which is the radius to the centre of T'_b and $T_n = T'_b$.

A8.2.1 Pg 80. Table. 5th column, 1st row. Amend "2.0" to: 1.0

END OF AMENDMENTS TO IGE/TD/12 EDITION 2.