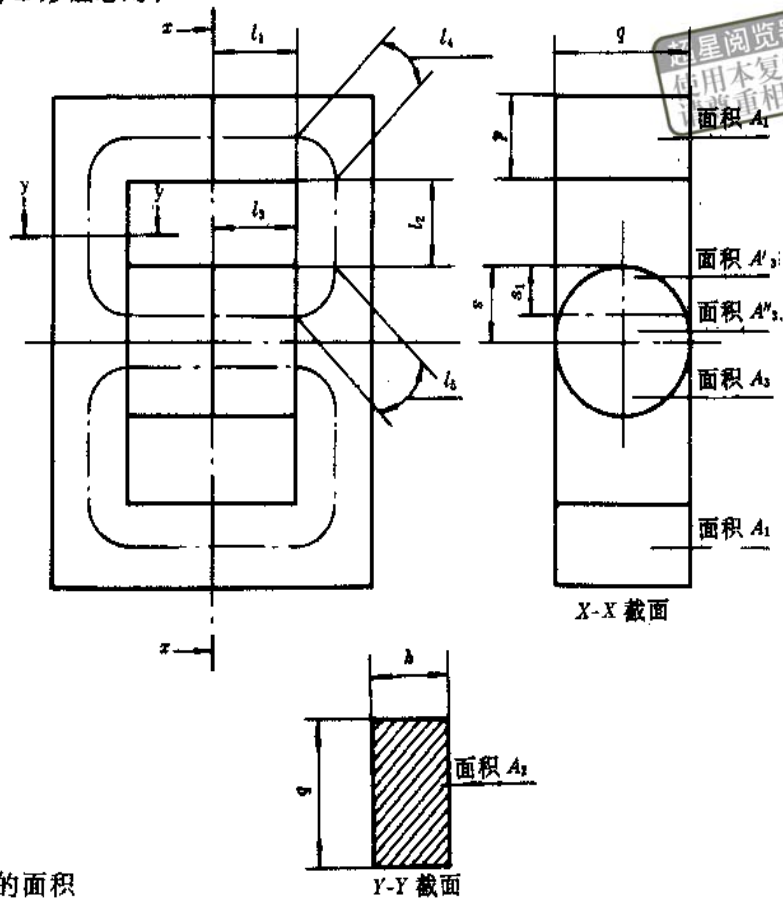


3.5 圆形截面的 E 形磁芯对:



半个中心柱的面积

$$A_3 = A_3' + A_3''$$

满足 $A_3' = A_3''$ 的条件为:

$$S_1 = 0.5959s$$

拐角处平均磁路长度:

$$l_4 = \frac{\pi}{8}(p + h) \text{ mm}$$

$$l_5 = \frac{\pi}{8}(2s_1 + h) \text{ mm}$$

与 l_4 和 l_5 有关的平均面积:

$$A_4 = \frac{A_1 + A_2}{2} \text{ mm}^2$$

$$A_5 = \frac{A_2 + A_3}{2} \text{ mm}^2$$

$$C_1 = \sum_1^5 \frac{l_i}{A_i} \text{ mm}^{-1} \quad C_2 = \sum_1^6 \frac{l_i}{2A_i^2} \text{ mm}^{-2}$$