

## FIG. 110 ARCH FORMULA

To obtain a 10mm joint on the inside edge of an arch without cutting the bricks, determine number of bricks

$$\frac{X = 3.14 \times r}{d + 10}$$

$r$  = radius in mm  
 $d$  = width of brick at circumference  
 $X$  = number of bricks

### EXAMPLE

How many bricks required on a 1400mm wide arch when 'd' is 76mm

$$\frac{X = 3.14 \times 700\text{mm}}{76 + 10} = 25.55$$

Alternatively the required radius for a given number of bricks is given by the formula;

$$\frac{r = 76X + 10x (X - 1)}{3.14}$$

