

## Bolt Circle Calculations

Bolt Circle Diameter from Hole Separation

$$D = S / \sin(180/N)$$

Hole Separation from Bolt Circle Diameter

$$S = D \cdot \sin(180/N)$$

Where:

**D** is Bolt Circle Diameter

**S** is the Bolt Spacing

**N** is the Number of Bolts  
(and N is  $\geq 2$ )

N	$\sin(180/N)$
2	1.0000
3	0.8660
4	0.7071
5	0.8090
6	0.8660
7	0.9010
8	0.9239
9	0.9397
10	0.9511
12	0.9659