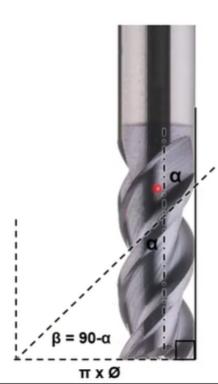
## How many points in contact?:

The number of contact points can be calculated using the formulas shown

Two or more contact points are preferred for stability in most end milling applications



## Lead mm, given Helix Angle

Lead, 
$$mm = \frac{(\pi \times \emptyset)}{(\tan \alpha)}$$

Where:

Lead : Distance between contact points on the same flute, mm.

α: Helix angle, Degrees

Ø: Diameter or Ds, mm

## Number of Contact Points

Contact Points = 
$$\left[\frac{ap}{\left(\frac{Lead}{z}\right)}\right] + 1$$

Where:

**Lead mm**: Distance between contact points on the same flute, mm.

ap: Depth of Cut, mm Z: Number of flutes

\* Answer should be rounded down to the nearest whole number

