

Conversion to inches



Knurling based on CP (TPI) and DP

■ CP (TPI) = Circular Pitch (Teeth Per Inch)

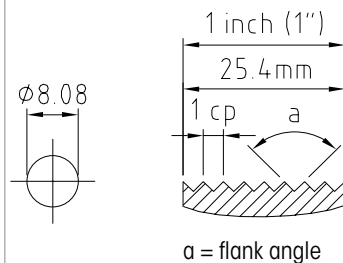
This standard specifies the number of teeth over a distance of 1 inch (1~25.4 mm). To calculate the pitch, divide 1 inch by the number of teeth. The profile angle is defined as 70° or 90°, depending on the number of teeth per inch.

Conversion example:

Specification CP (TPI) = 20

Pitch (mm) =

1 inch (~25.4 mm) : 20 (number of teeth) = 1.27 mm



■ DP = Diametral Pitch

As opposed to CP (TPI) this standard specifies the number of teeth on the circumference of a circle with a diameter of 1 inch (1~25.4 mm). To calculate the pitch, divide the circumference of a 1 inch circle by the number of teeth. The profile angle is defined as 80°.

Conversion example:

Specification DP = 64

Pitch (mm) =

1 inch (~25.4) x π (3.14...) : 64 (number of teeth) = 1.25 mm

