

# Did You Know?

## DRILL MATERIALS & FINISHES

### MATERIALS



#### High Speed Steel (HSS)

For drilling low-carbon steel, wood, fiberglass, PVC and soft metals such as aluminum.

#### Cobalt Steel

For drilling tough materials such as stainless steel, tool steel, titanium alloys and Inconel®.

Extra hard drill for greater wear, but it can be brittle.

#### Solid Carbide

For drilling materials such as non-ferrous alloys, cast iron, copper, bronze and high silicon aluminum.

Designed for drilling abrasive materials when accuracy must be maintained and/or when used in high temperature applications. Solid carbide can be brittle.

### FINISHES



#### Bright

For use in plastic, wood and aluminum.

A polished finish for increased chip flow.

#### Black Oxide

For general purpose drilling such as cast iron steel and steel forging.

Not recommended for non-ferrous materials such as aluminum.

#### Titanium Nitride (TiN)

For hard metals, stainless steel, plastic and composites.

TiN acts as a wear resistant, thermal barrier that allows for faster drilling speeds. The high surface hardness of TiN can increase tool life up to 500%.



### EXTEND YOUR TOOL'S LIFE

Drillco's Heavy-Duty Drilling & Tapping Fluid aids in drilling and extends tool life while promoting an excellent finish.

For use on all metals including both ferrous and non-ferrous materials.