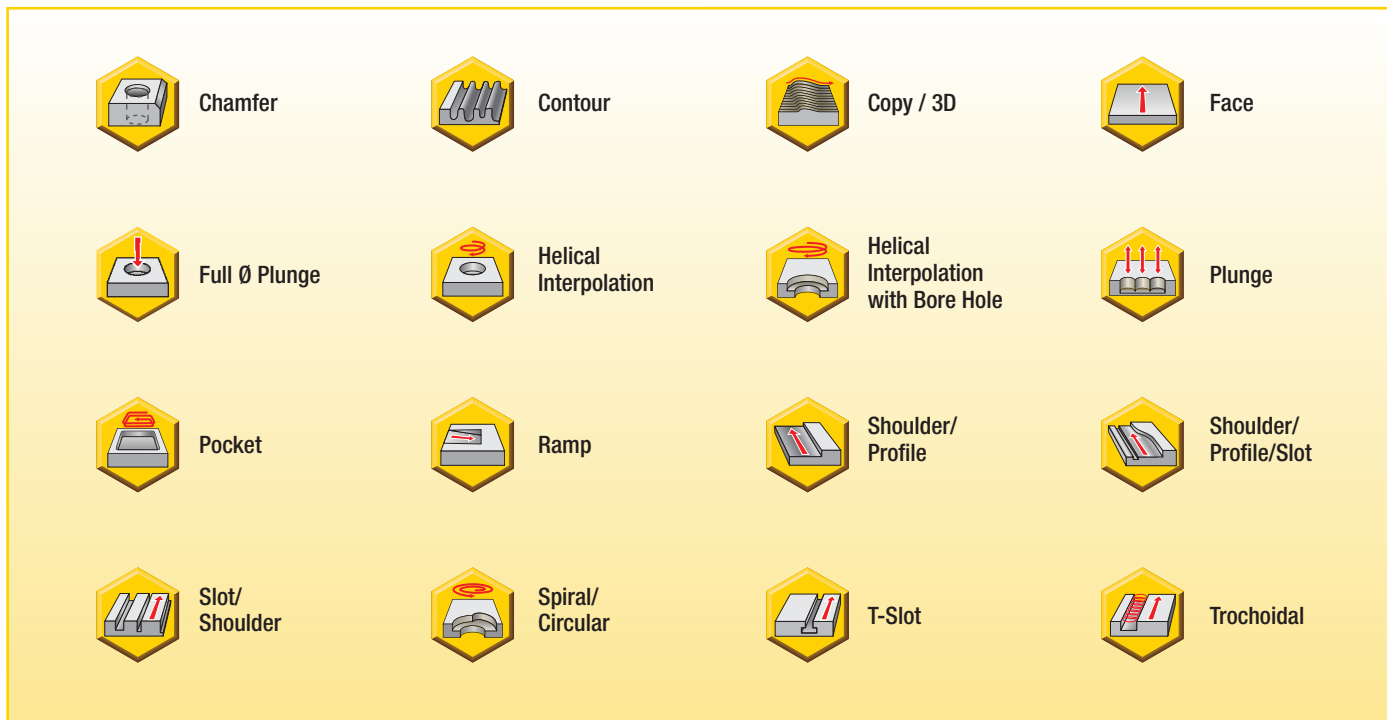




Application Guide



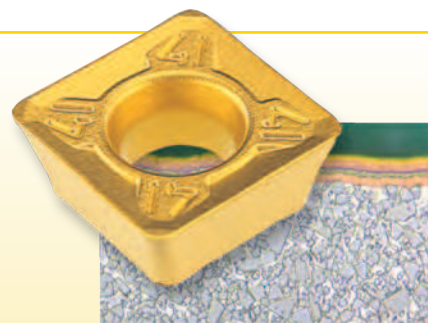
Patented X-Grade Insert Technology

3-TIMES THE METAL REMOVAL RATE

Titanium and Nickel Based Alloys are some of the toughest machining jobs on earth.

And it is a rare element, a member of the platinum family, called Ruthenium, that is one of the key ingredients used in our patented X-Grade™ Technology cutting tools.

We combine Ruthenium with Cobalt to form an exclusive binder that cements our engineered carbide formulas in the making of these inserts.



X-Grade Inserts provide unmatched performance in cutting difficult to machine materials.