

INDUSTRY NEWS

PILOT
Precision Products

palbit
TOOLING SOLUTIONS EXPERTS



DOMX



DOMX - THE REVOLUTION IN HRSA MEDIUM TO ROUGH TURNING!

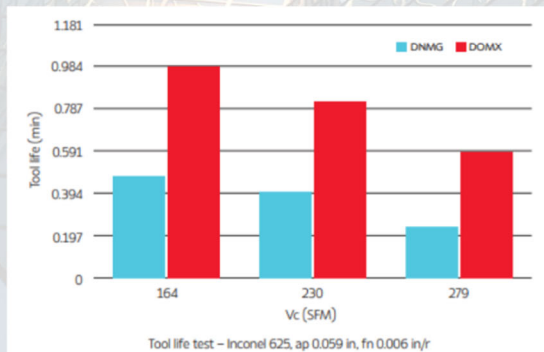
Designed for HRSA, the new DOMX® offers exceptional performance in exotic materials machining. When your material has high Ni or Co content DOMX is the choice!

In continuous cuts such as turning, manufacturers often use ceramic inserts for roughing due to their hardness because they can typically cut faster than carbide inserts. However, ceramic inserts do not have the toughness required to handle corners or interrupted cuts, which is far from ideal when used to rough-machine HRSA.

DOMX inserts are made of solid carbide, come in a single size #4 size, are PVD coated and well suited for medium-to-rough turning of HRSA because they combine high hardness with high heat-resistance properties.



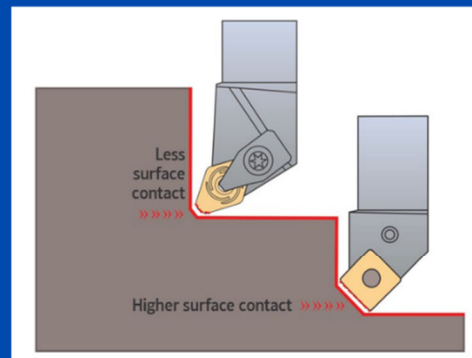
Four positive cutting edges on double-sided negative insert!



DOMX vs. SNMG

Inserts can approach faster than alternative tooling and finishes the cut without failing as can happen with ceramic inserts when machining HRSA.

DOMX inserts gives shops the option of using high-speed, high-feed roughing in a single-pass operation. Specifically, they enable a 45-degree insert lead angle to produce a higher depth-of-cut in rough or medium turning applications. They can be used for facing, external or internal turning, case machining and ring machining while offering cycle time reduction, tool life improvement and stability in the roughing process at a lower cost than ceramic inserts.



DOMX inserts must be used with Palbit SA's proprietary right- or left-hand holders. The inserts are made of solid carbide and feature a PVD coating!