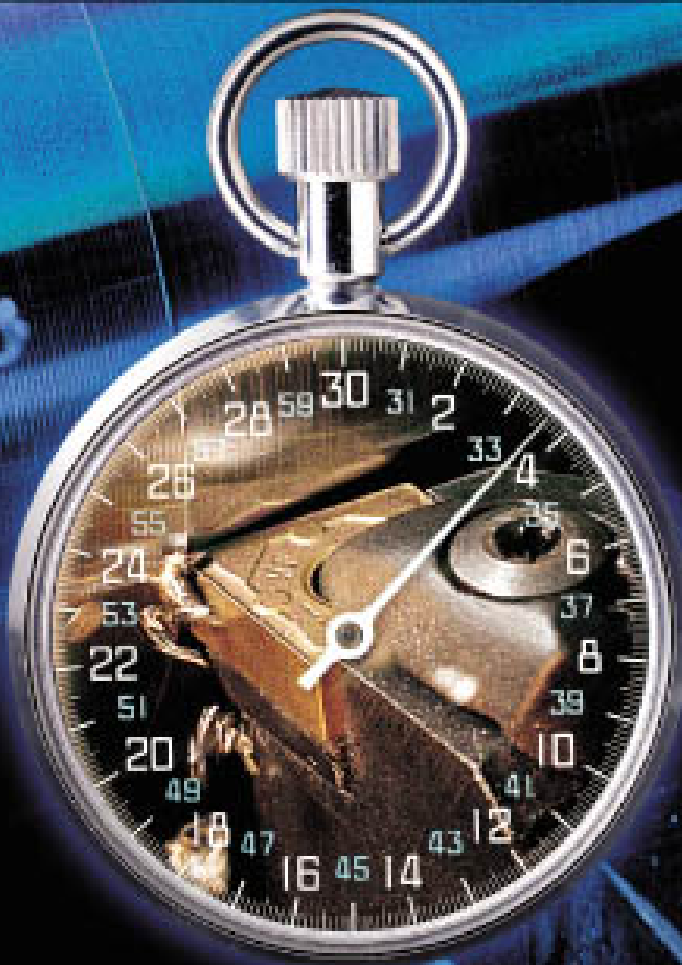


Wiper Technology

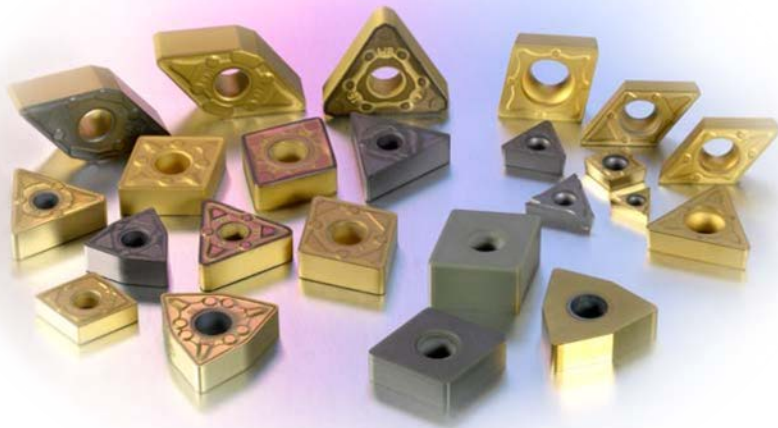


Wiper

Wiper technology

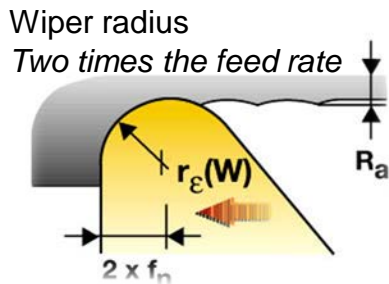
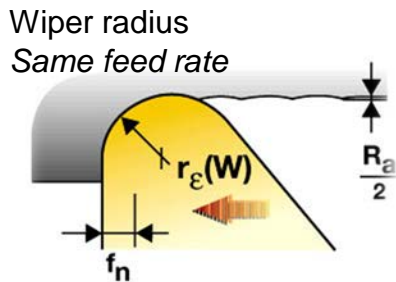
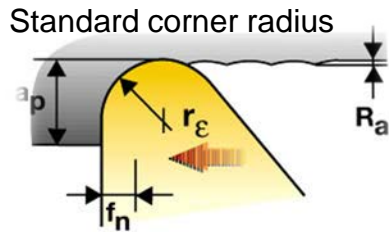
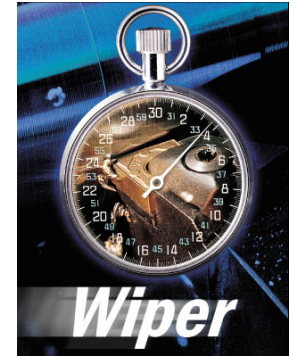
Why use Wiper? What's the Value?

TECHNOLOGY
Wiper

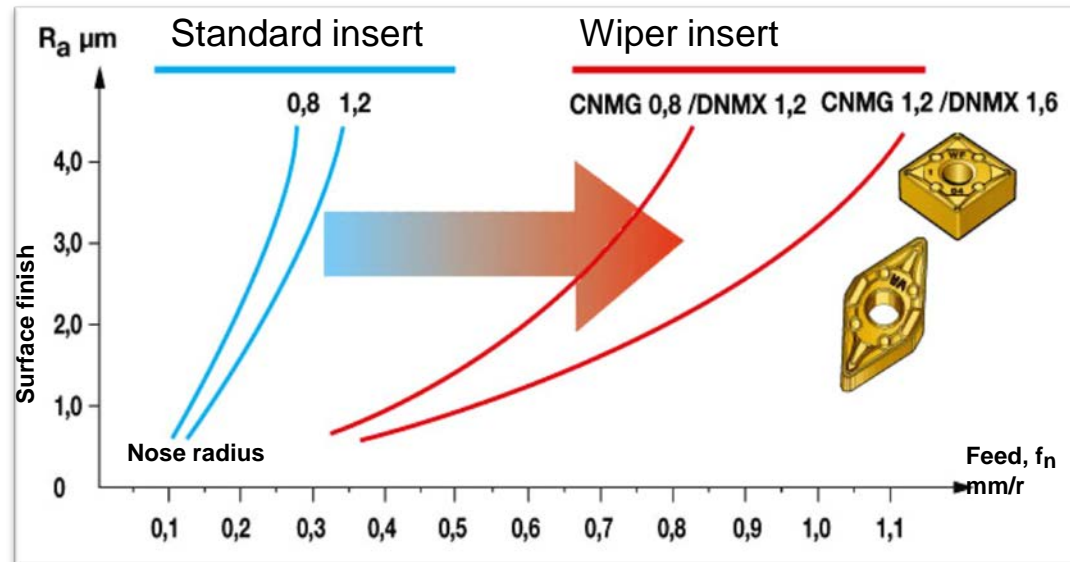


- Improved Machining Economy through:
 - Increased feed rate by using Wiper inserts
 - Excellent surface finish
 - Undisturbed production
 - Reduced inventory

Wiper technology



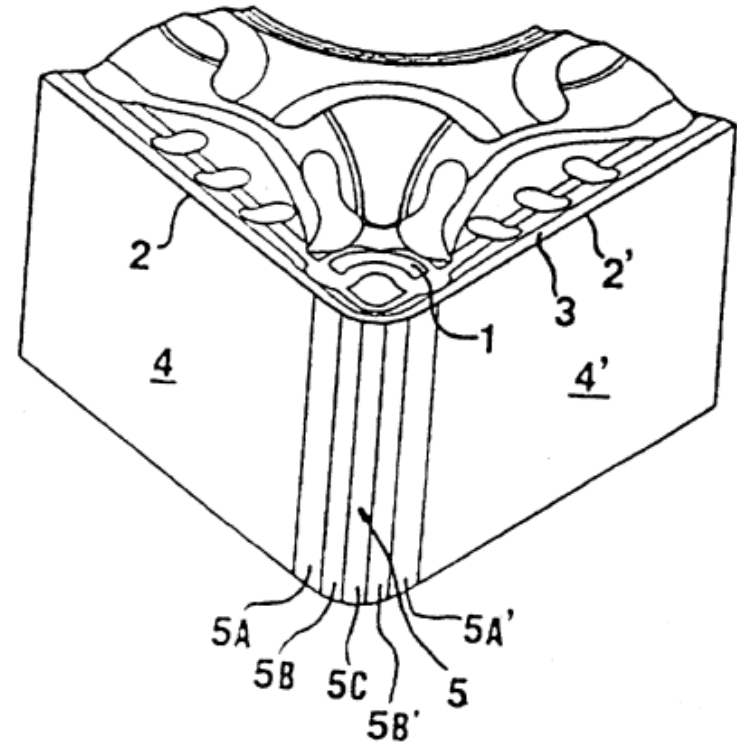
Two times the feed rate = Same surface finish
Same feed rate = Twice as good a surface finish



Wiper technology

Patent situation

- Several new Wiper solutions have shown up that might interfere with our patent.
To clarify the situation we would like to state the following:
- We have a patent valid for a solution of 5 radii with tangential passes without sharp corners.



Wiper technology

The first choice



T-Max P

Geometries

-WF/-WM/-WR/-WMX

Shapes

CNMG, CNMM,
DNMX, TNMX, WNMG

CoroTurn® 107

Geometries

-WF/-WM

-WK (Knife edge)

Shapes

CCMT, DCMX, TCMX
TCGX

CBN & Ceramic

Geometries

-SM (Xcel)

-WG/-WH (Ceramic)

-WG/-WH (CBN)

Shapes

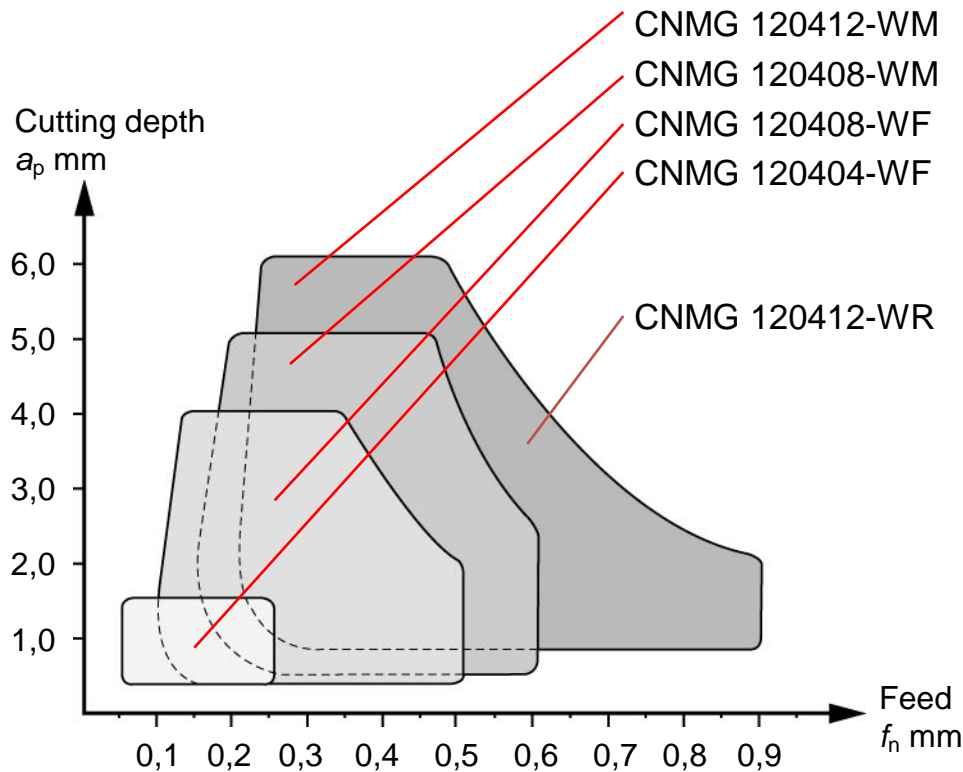
CNMX

CNGA, CNGQ, WNGA

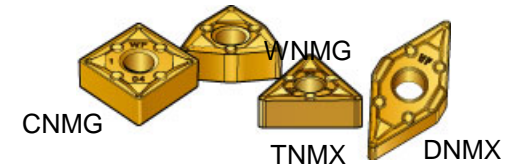
CNGA, WNGA

Wiper technology

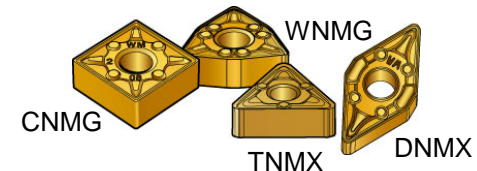
T-Max P insert geometries -WF, -WM, -WR, -WMX



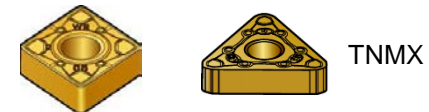
-WF For excellent surface finish and chip control



-WM For high productivity, high feed and good surface finish



-WR For high productivity, extremely high feeds giving good surface finish



Wiper technology

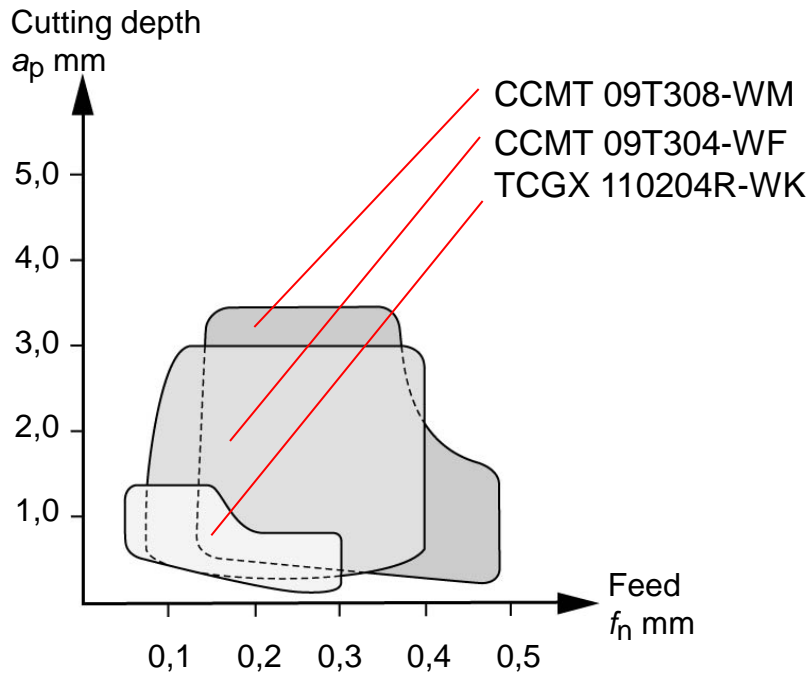
CoroTurn® 107 inserts



- For external turning of slender components and for internal boring operations
 - The positive geometry and 7° clearance angle combines low cutting forces with good edge security
 - The CoroTurn® 107 system is very beneficial for long overhangs without loss of surface quality
 - Generates approximately 30% better surface finish compared to negative inserts due to its easy cutting action (Ra down to 0,3 um)

Wiper technology

CoroTurn[®] 107 insert geometries -WF, -WM and -WK



-WF Specially designed to generate ultimate surface finish together with good chip control



-WM Specially developed for maximizing machine economy with high feed machining and also generating better surface finish



-WK Periphery ground, sharp insert. Right and left hand (R/L), Knife edge geometry with an open and positive chipbreaker and wiper specially developed for high feed machining giving excellent surface finish and good machining economy



Your success in focus