

# Wave Repeater Mill WRX Type



## General Features

The WRX Wave repeater end mill system features AXMT style inserts vertically mounted and positioned to provide a long continuous cutting edge suitable for deep shoulder milling. Designed to run at elevated feed rates the soft cutting action reduces cutting resistance, vibration and noise to substantially improve tool life and surface finish.

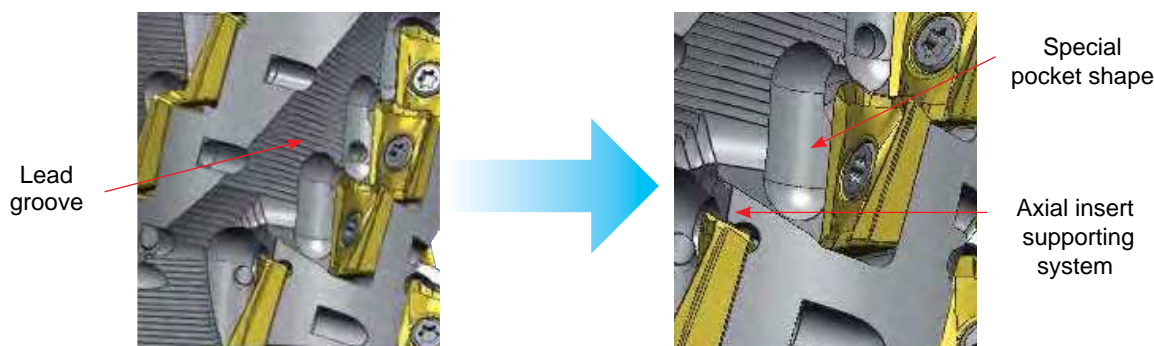
Available with our new generation Super FF and Super ZX coated inserts for unbeatable performance.

## Product Range

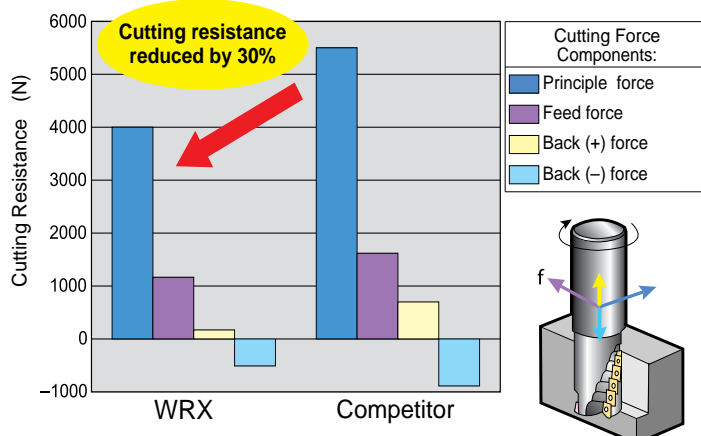
- WRX 2000 series with 12 mm inserts
- WRX 3000 series with 17mm inserts
- Cutter Diameters - 20mm ( $d_{oc} = 18mm$ ) to 100mm ( $d_{oc} = 53mm$ )
- Special Order Options – WRX Cutter with integrated arbor  
Shell type with detachable head
- Wide ISO Application Range – P/M/K/N classification

## Advantages

- Optimised insert positions reduce cutting resistance and vibration
- Integral coolant improves chip flow
- Primary chip slot for smooth and fast chip evacuation
- Optimised insert pocket maximises rigidity
- Bottom edge support improves tool life and cutting performance

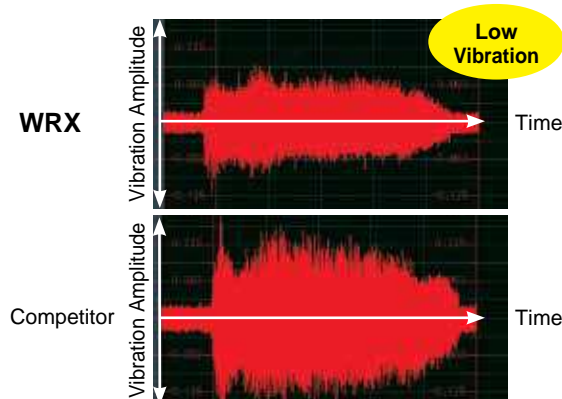


## Cutting Resistance Comparison



Work Material: C50  
Tool: WRX2025RH27E25  
Cutting Conditions:  $v_c = 100m/min$ ,  $f_t = 0,15mm/tooth$   
 $d_{oc} = 25mm$ ,  $w_{oc} = 10mm$ , Dry

## Vibration Comparison



Work Material: C50  
Tool: WRX3080RH53F32  
Cutting Conditions:  $v_c = 150m/min$ ,  $f_t = 0,15mm/tooth$   
 $d_{oc} = 25mm$ ,  $w_{oc} = 10mm$ , Dry