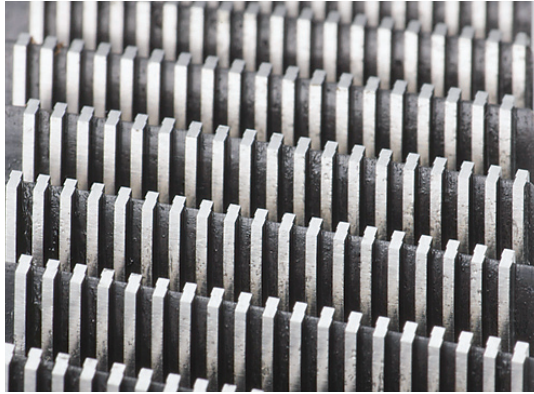


High Performance Shaving Cutter

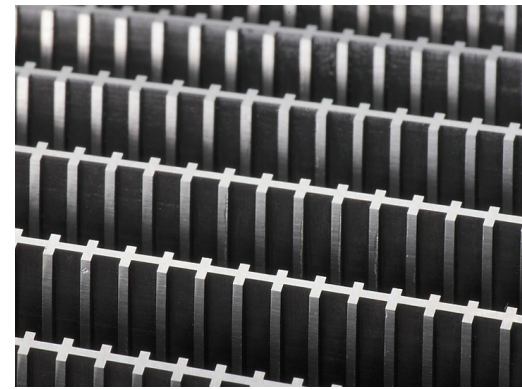


- Select optimal serration pitch for workpiece characteristics
Fine pitch: Designed for increasing the number of effective cutting edges for longer tool life
Coarse pitch: Designed for sharpness improvement of cutting edge
- New optimized material is used for shaving cutter, providing longer tool life

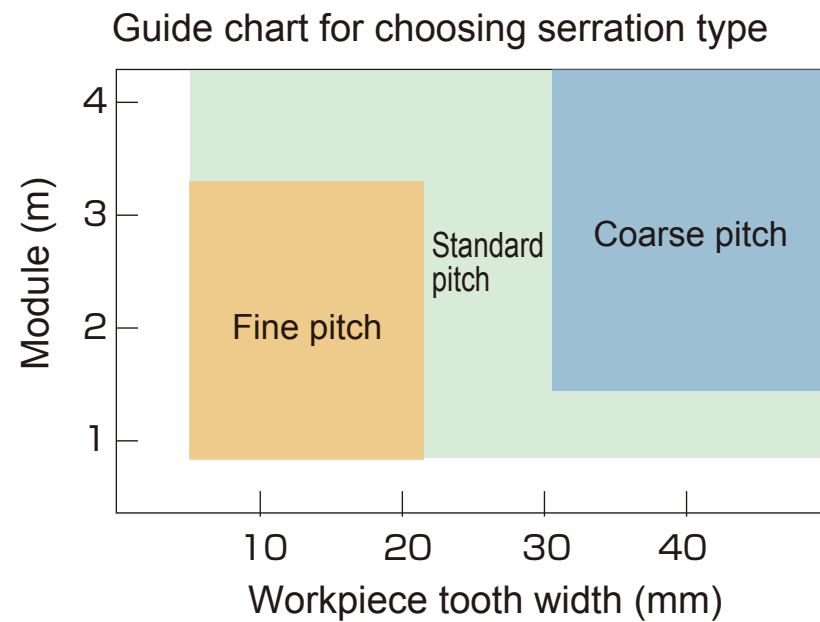
Selecting fine pitch or coarse pitch



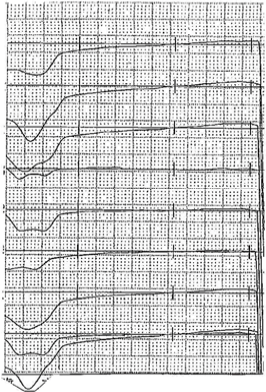
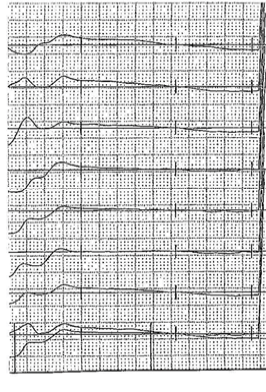
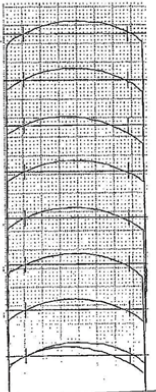
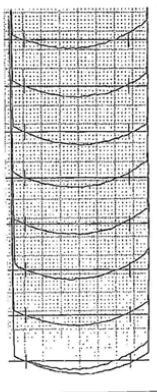
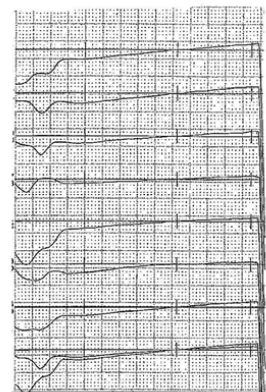
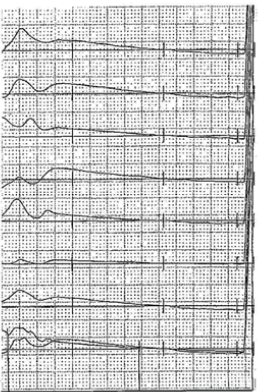
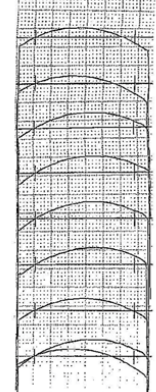
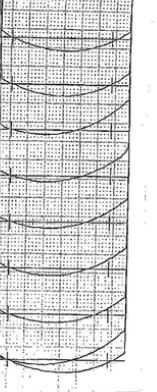
Fine pitch serration shaving cutter



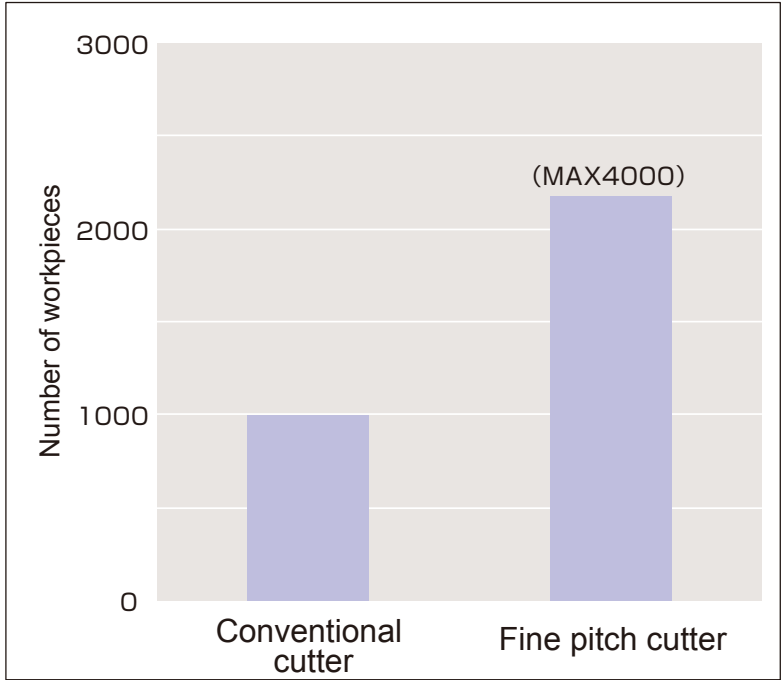
Coarse pitch serration shaving cutter



Example for machining with fine pitch serration


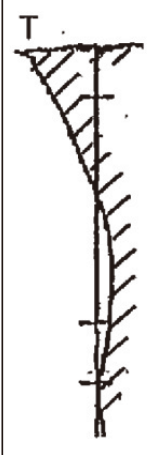
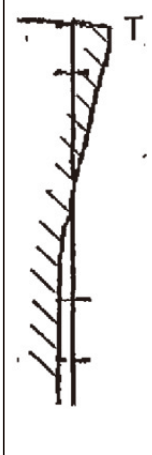
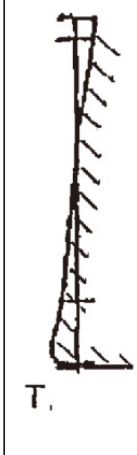
	Profile		Lead	
5 th piece				
4000 th piece				

Comparison of tool life




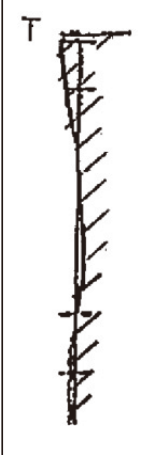
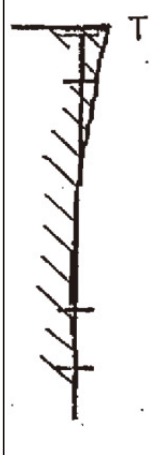

Workpiece
M 1.8 × PA17° × NT52 × HA31° LH
Tooth width 20mm

Example for machining with coarse pitch serration

Conventional serration cutter			
Right		Left	
Workpiece	Cutter	Cutter	Workpiece
			

Workpiece
M2.2 × PA17.5° × NT38 × HA32° LH × Tooth
width 30mm



Coarse pitch cutter			
Right		Left	
Workpiece	Cutter	Cutter	Workpiece
			

Cutter's transcription is improved
by design change of serration pitch