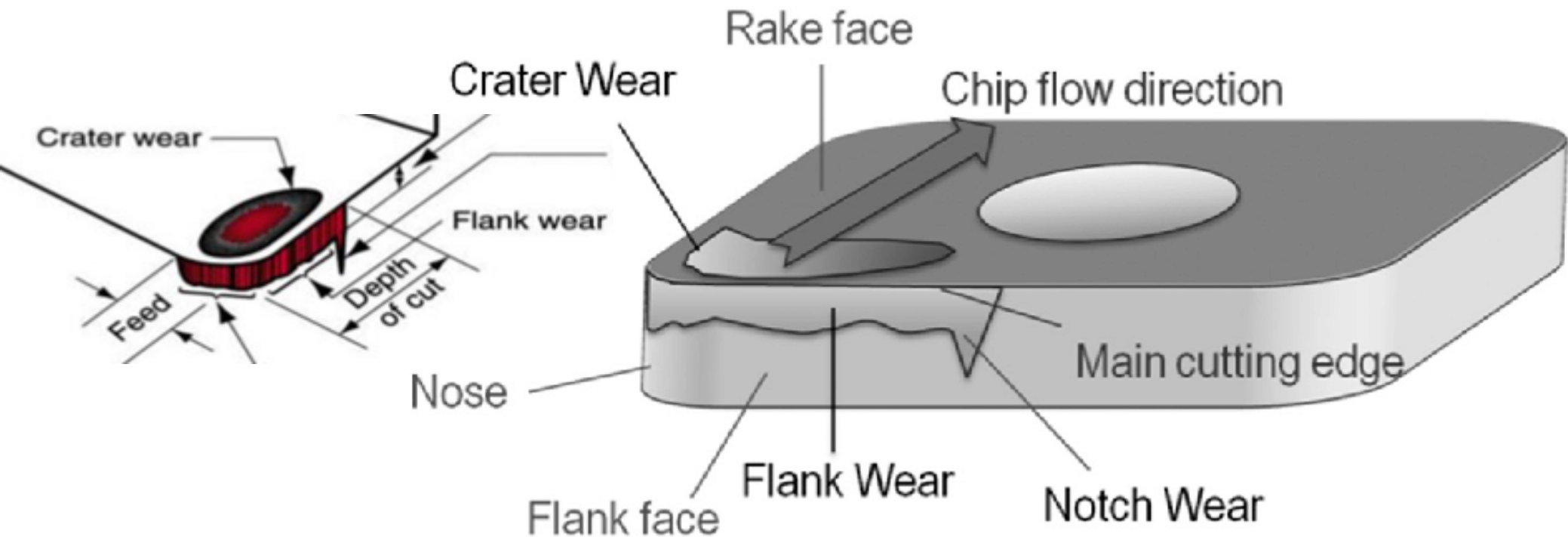
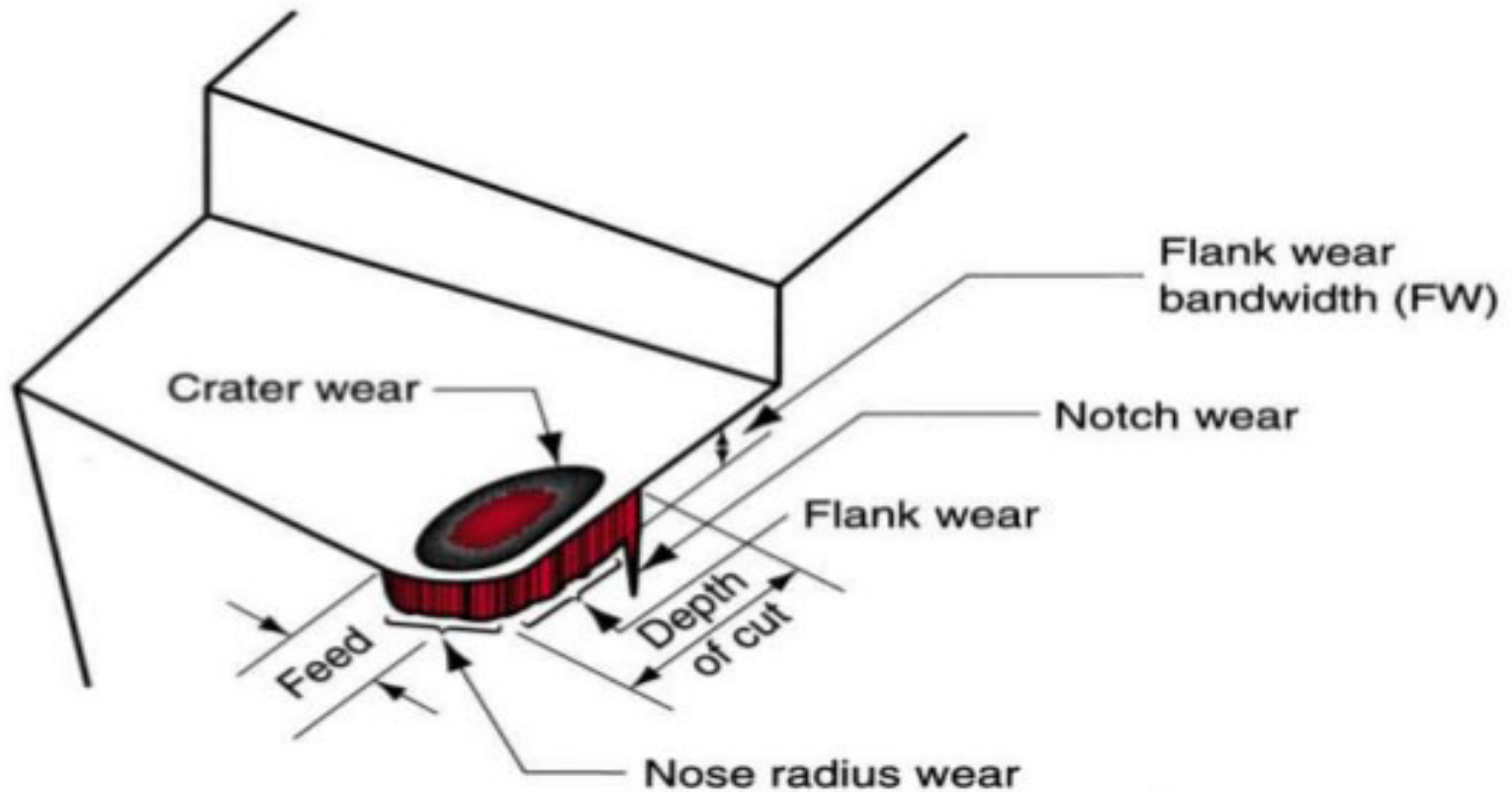


Flank Wear Vs Crater Wear



Flank wear

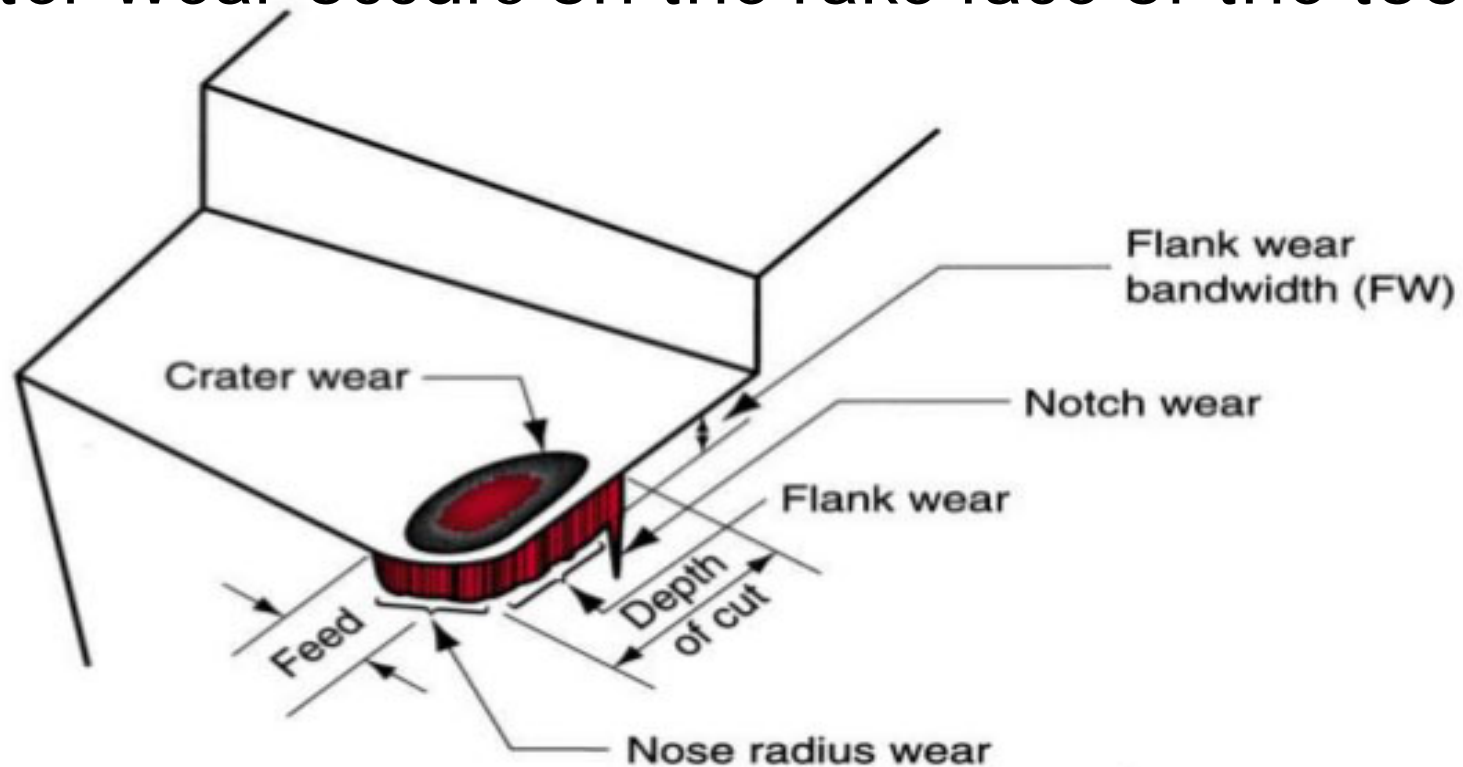
- Flank wear occurs on the relief face of the tool



- Flank wear is caused due to
 - Rubbing of the tool along the machined surface causing adhesive and abrasive wear
 - High temperatures affect tool material properties as well as work piece surface.

Crater wear

- Crater wear occurs on the rake face of the tool



- Crater wear is caused due to
 - Temperature at the tool chip interface
 - The chemical affinity between the tool and work piece materials.
 - Crater wear occurs due to mainly diffusion mechanism that is the movement of atoms across the tool-chip interface.

Thank you for watching