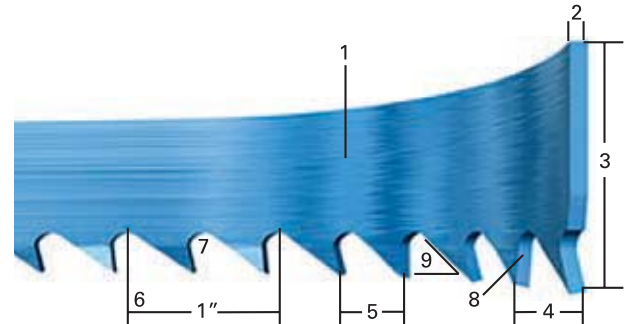# BLADE TERMINOLOGY

1. **Blade Back**—The body of the blade not including tooth portion.

2. **Thickness**—The dimension from side to side on the blade.

3. **Width**—The nominal dimension of a saw blade as measured from the tip of the tooth to the back of the band.

4. **Set**—The bending of teeth to right or left to allow clearance of the back of the blade through the cut.

   Kerf—Amount of material removed by the cut of the blade.

5. **Tooth Pitch**—The distance from the tip of one tooth to the tip of the next tooth.

6. **TPI**—The number of teeth per inch as measured from gullet to gullet.

7. **Gullet**—The curved area at the base of the tooth. The tooth tip to the bottom of the gullet is the gullet depth.

8. **Tooth Face**—The surface of the tooth on which the chip is formed.

9. **Tooth Rake Angle**—The angle of the tooth face measured with respect to a line perpendicular to the cutting direction of the saw.

TOOTH FORMS & TOOTH SET

VARIABLE
- Standard tooth forms
- Variable tooth spacing
- Varying gullet depth

VARIABLE POSITIVE
- Smooth cutting
- Reduces noise
- Cuts efficiently
- Enhances blade life

SKIP
- Wide gullets
- Evenly spaced teeth
- Good cutting performance on non-metallic applications (wood, plastic, cork and composition material)

STANDARD
- Deep gullets
- Evenly spaced teeth
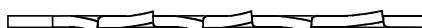- General purpose design for wide range of applications

HOOK
- Wide gullets
- Evenly spaced teeth
- Positive rake angle
- Good cutting performance on metals which form discontinuous chips (cast iron) and non-metallic applications (wood, plastic, cork and composition material)
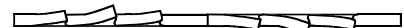
LENOX® SET
- Five tooth or seven tooth sequence —right, left, right, left, straight
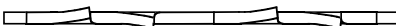- Uniform set angle

VARI-RAKER
- Multi-tooth sequence depending on tooth pitch
- Varying set angles
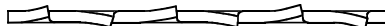- 14/18 *VARI-TOOTH®* has random wavy set

WAVY
- Groups of teeth set to each side
- Teeth have varying amounts of sets in a controlled pattern

RAKER
- Three tooth sequence—left, right, straight
- Uniform set angle

ALTERNATE
- Every tooth set in an alternating sequence
- Wood cutting applications