

RPM & Blade Safety Guide

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Max RPM Limits:

4.5" → ~13,000 RPM

7" → ~8,500 RPM

10" → ~6,000 RPM

12–14" → ~5,400–6,300 RPM

Saw Compatibility:

High-speed saws require segmented blades. Walk-behind saws use reinforced-core blades. Grinders need high-RPM blades.

Wet vs Dry:

Wet cutting reduces heat and stabilizes RPM. Dry cutting requires higher airflow and short passes.

Safety:

Inspect blades, check rotation direction, avoid side pressure, and reach full RPM before cutting.

Troubleshooting:

Vibration → warped core. Sparks → overheating. Slow cutting → glazed blade or underpowered saw.