



## Saw Blade Speed Chart

### Recommended Operating Speeds for Circular Saw Blades

- For extended blade life and quality of cut, saw blades should run between 10,000 and 18,000 SFPM (surface feet per minute).
- **NEVER EXCEED 18,000 SFPM!**
- To calculate SFPM:
  - 1.) Multiply the diameter of the blade times  $\pi$  (3.1416) to get the circumference, then multiply circumference by RPM to get inches per minute.
  - 2.) Divide the inches per minute calculation (from step 1) by 12 to get the feet per minute. Best results on most materials would be about 15,000 SFPM.

Saw Blade Diameter in Millimeters	Saw Blade Diameter in Inches	Maximum RPM
165	6-1/2	10,000
185	7 - 7-1/2	9,000
200	8	8,000
210	8-1/4	7,900
215	8-1/2	7,800
220	9	7,500
260	10	6,500
300	12	5,500
350	14	4,500
375	15	4,200
400	16	4,000
420	17	3,900
450	18	3,800
500	20	3,400
550	22	3,000