

# ZENESIS™

## BRIGE SAW BLADES RPM & FEED RATE CHARTS



We recommend bridge saw blade to run between 6000 - 7700 surface feet per minute depending on the application material. Please refer below to corresponding RPM speeds:

### RPM

| BLADE DIAMETER | MED. GRANITE    | HARD GRANITE    | QUARTZITE       | MARBLE   | SINTERED STONE  |
|----------------|-----------------|-----------------|-----------------|----------|-----------------|
| 12"            | 2000 - 2300 RPM | 1900 - 2100 RPM | 1900 - 2100 RPM | 3100 RPM | 1900 - 2100 RPM |
| 14"            | 1700 - 2000 RPM | 1650 - 1800 RPM | 1650 - 1800 RPM | 2800 RPM | 1650 - 1800 RPM |
| 16"            | 1500 - 1800 RPM | 1450 - 1600 RPM | 1450 - 1600 RPM | 2400 RPM | 1450 - 1600 RPM |
| 18"            | 1300 - 1600 RPM | 1300 - 1400 RPM | 1300 - 1400 RPM | 2150 RPM | 1300 - 1400 RPM |
| 20"            | 1200 -1450 RPM  | 1200 -1300 RPM  | 1200 -1300 RPM  | 1900 RPM | 1200 -1300 RPM  |

### Feed Rates

| ZENESIS™ BLADE | MED. GRANITE    | HARD GRANITE    | QUARTZITE       | MARBLE          | SINTERED STONE  |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| OBSIDIAN       | 5 - 17 ft./min. | 5 - 17 ft./min. | 1 - 5 ft./min.  | 5 - 9 ft./min.  | 3 - 8 ft./min.  |
| BLACK 4        | 5 - 17 ft./min. | 5 - 17 ft./min. | 1 - 5 ft./min.  | Not Recommended | Not Recommended |
| CARBON 2       | 5 - 17 ft./min. | 5 - 17 ft./min. | 5 - 17ft./min.  | Not Recommended | 3 - 8 ft./min.  |
| II             | 5 - 10 ft./min. | 5 - 10 ft./min. | Not Recommended | Not Recommended | Not Recommended |
| MARBLE         | Not Recommended | Not Recommended | Not Recommended | 5 - 9 ft./min.  | Not Recommended |
| QUARTZITE      | 5 - 17 ft./min. | 5 - 17 ft./min. | 4 - 10 ft./min. | Not Recommended | Not Recommended |
| Z-PATTERN      | 5 - 10 ft./min. | 5 - 10 ft./min. | 1 - 4 ft./min.  | Not Recommended | Not Recommended |

Optimal feed rates will vary depending on the saw being used. We recommend starting at the lower rpm and feed rates provided above and gradually increase until the finish is no longer ideal and/or the amp draw exceeds the manufacturer's recommendation. For miter cuts recommended feed rates should be reduced by 20-30%.