



Diamond Blade Safety

Trow & Holden does not manufacture diamond blades, but in the spirit of promoting a safe stoneworking environment, we have assembled this list of Do's & Don'ts from the Diamond Wheel Manufacturer's Institute.

Diamond Blade Cutting Do's

- 1. Always refer to manufacturer's operating manual** for proper blade specifications, setup, as well as blade and machine maintenance.
- 2. Inspect the blade often** for damage or fatigue.
- 3. Check mounting flanges** for equal diameter, excess wear or flatness.
- 4. Mount the blade correctly and securely.**
- 5. Check the saw** for proper operating conditions:
 - All fluids are at proper level.
 - Spindle bearing should be free of end and radial play.
 - V-belts should be properly tensioned and pulleys checked for excessive wear.
- Lead-off adjustment is set correctly, to allow the blades to travel straight.
- Blade guard is in place and properly secured.
- 6. Wear proper safety attire** when operating saws and grinders, including: safety glasses and helmet, proper safety shoes and gloves, and hearing protection.
- 7. Maintain a firm grip** on hand-held saws during cutting operation.
- 8. For wet cutting, ensure continuous water flow** to each side of the blade. An adequate coolant supply is required for wet cutting blades to maintain blade life and cutting efficiency.

Diamond Blade Cutting Don'ts

- 1. Never operate a saw, wet or dry, without proper safety guards in place!**
- 2. Don't use a diamond blade without checking manufacturer's recommendations** for the material to be cut.
- 3. Don't dry cut** unless a blade is specifically designated to do so by the manufacturer.
- 4. Don't use a new or used diamond blade with a core that is not flat or is cracked.**
- 5. Don't force blade** onto machine blade shaft, alter the size of the mounting hole, or tighten mounting nut excessively.
- 6. Don't use mounting flanges** on which the bearing surfaces are not clean and flat.
- 7. Don't mount blade on machine that does not** meet the minimum requirements set forth in the manufacturer's manual.
- 8. Don't exceed the maximum operating speed** established for the blade.
- 9. Don't stand in direct line** with diamond or abrasive blades during start-up or operation.
- 10. Don't cut or grind** with the sides of a blade.
- 11. Don't force a cut, allow the blade to deflect, or attempt to cut curves.**
- 12. When dry cutting, don't make long, continuous cuts.** Allow the blade to cool by turning in air every 10 to 15 seconds.