

DIAMOND BLADE WET CUTTING

DO'S

1. Follow the manufacturer's recommended blade specifications for material being cut.
2. Inspect the blade for damage that may have occurred during shipment or prior use.
3. Check mounting flanges for equal diameter, excess wear or flatness.
4. Be sure that the blade is mounted on a correct diameter blade shaft between proper blade flanges and is securely hand-tightened with a wrench.
5. Check saw for: all fluids at proper level, blade shaft 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, allow the blade to travel straight, operate with blade guard in place and properly secure.
6. Be sure there is continuous water flow to each side of the blade. Gravity feed does not supply a sufficient water flow. The water pumps on concrete saws are booster pumps only and are not adequate as a primary pressure source. An adequate coolant supply is required for wet cutting blades to maintain blade life and cutting efficiency.
7. Follow the manufacturer's recommended pulley sizes and operating speeds. For specific blade diameters, refer to manufacturer's operating manual.
8. Operate saw with proper safety attire, safety glasses, safety helmet, safety shoes, hearing protection.
9. Examine blade periodically for cracks in the steel center or segments or excessive wear under segments.

DON'TS

1. Don't use a diamond blade without checking manufacturer's recommendations for the material to be cut. Improper selection can cause excessive blade wear and possible damage to the diamond saw blade and/or machine and create an unsafe operating condition.
2. Don't use a diamond blade that has a core that is not flat or is cracked, which shows segment damage or loss, or which has a damaged arbor hole.
3. Don't use mounting flanges on which the bearing surfaces are not clean and flat.
4. Don't force blade onto machine blade shaft or mount blade on undersized blade shaft. Either condition can result in unsafe operating conditions.
5. Don't mount blade on machine that does not meet the minimum requirements set forth in the manufacturer's machine operating manual.