

# DO'S AND DON'TS WHEN USING WET CUTTING SAW BLADES

---

## DO'S

1. Do inspect a new blade for any damage in shipping.
2. Do inspect a used blade for the following :
  - Worn or enlarged arbor.
  - Cracked segments.
  - Stressed cracks in steel core.
  - Dished or warped core.
3. Do check a used blade for relief between the segment and the steel core. The diamond segment should overlap the steel core on each side by at least .005".
4. Do inspect a used blade for undercutting of the steel core. An abrasive slurry can cause the steel core to wear excessively under the segment.
5. Do check blade specification and follow manufacturer's recommendations for material it will cut.
6. Do inspect the following on sawing equipment:
  - Flanges for equal diameter, excess wear and flatness.
  - Blade shaft bearings should be free of end and radial play.
  - Blade shaft arbor, make sure arbor is not worn or grooved.
  - V-belts should be properly tensioned.
  - Coolant trays on masonry saws should be free of sludge so water pump can operate properly.
  - Blade guard should always be in place and secured properly when in use.
7. Do use proper safety equipment when operating a saw; safety glasses, hard hat, hearing and breathing protection.

## DON'TS

1. Don't cut dry with wet cutting blades.
2. Don't use a blade not recommended for material to be cut.
3. Don't force blade into cut. Let the blade do the cutting.
4. Don't use a blade with any of the following:
  - Worn or enlarged arbor.
  - Cracked segments.
  - Stress cracks in the steel core.
  - Dished or warped steel core.
5. Don't use blades without proper safety equipment; safety glasses, hard hat and hearing protection.
6. Don't use a blade on a saw that does not have the proper RPM for that size blade and specification.
7. Don't grind or side grind with a cut-off blade.
8. Don't use a diamond blade that does not have proper relief between the segment and the steel core. The diamond segment should overlap the steel core on each side by at least .005".

# DO'S AND DON'TS WHEN USING DRY CUTTING SAW BLADES

---

## DO'S

1. Do make sure area where blade is being used is well ventilated.
2. Do inspect a new blade for any damage in shipping.
3. Do inspect a used blade for the following:
  - Worn or enlarged arbor.
  - Cracked segments.
  - Stress cracks in the steel core.
  - Dished or warped steel core.
4. Do check a used blade for relief between the segment and the steel core. The diamond segment should overlap the steel core on each side by at least .005".
5. Do inspect a used blade for undercutting of the steel core. An abrasive slurry can cause the steel core to wear excessively under the segment..
6. Do check the proper RPM speed for the blade size and specification.
7. Do check blade specification and follow manufacturer's recommendations for material it will cut.
8. Do use proper safety equipment when operating a saw; safety glasses, hard hat, hearing and breathing protection.
9. Do make shallow cuts with blade to avoid overheating the steel core.

## DON'TS

1. Don't cut dry with wet cutting blades.
2. Don't use a blade not recommended for material to be cut.
3. Don't force blade into cut. Let the blade do the cutting.
4. Don't use a blade with any of the following:
  - Worn or enlarged arbor.
  - Cracked segments.
  - Stress cracks in the steel core.
  - Dished or warped steel core.
5. Don't use blades without proper safety equipment; safety glasses, hard hat and hearing protection.
6. Don't use a blade on a saw that does not have the proper RPM for that size blade and specification.
7. Don't grind or side grind with a cut-off blade.
8. Don't use a diamond blade that does not have proper relief between the segment and the steel core. The diamond segment should overlap the steel core on each side by at least .005".