

## **Safety Guide for Diamond Blade Users**

**⚠WARNING:** Operating, servicing and maintaining this equipment can expose you to chemicals including Chromium (Hexavalent Compounds) & Chromium 6 (Chromium VI) from concrete which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize your exposure, avoid breathing dust. For more information go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

### **! WARNING !**

Diamond blades improperly used are DANGEROUS!!!

Improper use may cause diamond blade breakage and serious injury. Comply with ANSI B7.1, OSHA and the following safety guide. Don't over speed, abuse, or drop blade. Always use a guard, personal protective equipment and proper mounting procedures.

### **DO**

**DO ALWAYS HANDLE AND STORE BLADES IN A CAREFUL** manner.

**DO VISUALLY INSPECT** all diamond blades before mounting for possible damage.

**DO CHECK MACHINE SPEED** against the established maximum safe operating speed marked on the blade.

**DO CHECK MOUNTING FLANGES** for equal and correct diameter.

**DO ALWAYS USE A SAFETY GUARD** covering at least one-half of the blade.

**DO ALWAYS WEAR EYE, FACE and DUST PROTECTION**

### **DON'T**

**DON'T USE A CRACKED BLADE OR ONE THAT HAS BEEN DROPPED** or become damaged.

**DON'T FORCE A BLADE ONTO THE MACHINE OR ALTER** the size of the mounting hole - if the blade won't fit the machine, get one that will.

**DON'T FORCE CUTTING** Steady working pressure is very important for proper cutting. Avoid excessive pressure, which generates heat and excessive wear.

**DON'T USE THE SIDE OF THE BLADE** Avoid all side pressure to diamond blades.

**DON'T COCK, JAM, WEDGE or TWIST** the blade in the cut. It could bind or break causing severe injury or death.

**DON'T TOUCH** the blade after cutting. It is extremely hot and will cause severe burns.

**DON'T OPERATE SAW** in areas of combustible material. Sparks could cause fire or explosion.

**DON'T START CUTTING UNTIL** you have a clear work area and secure footing.

**NEVER CUT THROUGH INTO THE DIRT, IT WILL CAUSE EXCESSIVE WEAR ON THE BLADE!**

### **DRY CUTTING**

Dry cutting blades must be cooled with air flow around the blade. This means that every few seconds the blade should be allowed to run "free" with no load to allow air flow around the blade to dissipate the heat. (cut for 2 seconds, lift up for 2 seconds)

### **SMI Dust and Silica Warning**

Using this equipment generates dust, this dust may contain Grinding/cutting/drilling particles from masonry, concrete, metal and other materials, mists and fumes containing chemicals known to cause serious or fatal injury or illness, such as respiratory disease, cancer, birth defects or other reproductive harm. If you are unfamiliar with the risks associated with the particular process and/or material being cut or the composition of the tool being used, review the material safety data sheets and/or consult your employer, the manufacturers/suppliers, governmental agencies such as OSHA and NIOSH and other sources on hazardous materials. California and some other authorities, for instance, have published lists of substances known to cause cancer, reproductive toxicity, or other harmful effects. Control dust, mist and fumes at the source where possible. In this regard use good work practices and follow the recommendations of the manufacturers/suppliers, OSHA/NIOSH, and occupational and trade associations. Water should be used for dust suppression when wet grinding/cutting/drilling is feasible. When the hazards from inhalation of dust, mists and fumes cannot be eliminated, the operator and any bystanders should always wear a respirator approved by NIOSH/MSHA for the material being used. Grinding/cutting/drilling of masonry, concrete and other materials with silica in their composition may give off dust or mists containing crystalline silica. Silica is a basic component of sand, quartz, brick clay, granite and numerous other minerals and rocks. Repeated and/or substantial inhalation of airborne crystalline silica can cause serious or fatal respiratory diseases, including silicosis. In addition, California and some other authorities have listed respirable crystalline silica as a substance known to cause cancer. When grinding/cutting/drilling such materials, always follow the respiratory precautions mentioned above.