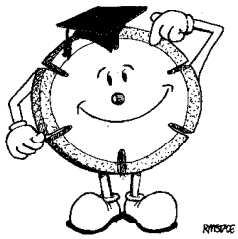
HYPER BLADES



DESIGN PHILOSOPHY

Decades of diamond saw blade use, by millions of users all over the world, has confirmed one vital fact. "There is no such thing as a really efficient general purpose blade for all materials, all machines, and all conditions"

Often requested, this elusive tool remains as rare as ever. Instead, diamond saw blade design engineers have discovered different ways of yielding maximum cutting rates and tool life, from custom developed blades for various operations. Machine horsepower and type, material composition, budget, speed of cut preferences, and many other factors are taken into account when configuring blades.

The amazing central component is man made diamond. Synthesised in modern factories, using secret production facilities, diamond is grown into crystals which can be consistent in shape, toughness and processing damage resistance. Each tooth a marvel of hardness, in it's own right capable of cleaving the hardest concrete or stone.

Using these tiny power houses, High Performance Diamond Technology designs reflect decades of experience in New Zealand.

We aim to lower your costs through shared experience and teamwork.

Work with us.

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"LLCS"
CURED CONCRETE REINFORCED

Safety is of paramount importance when cutting cured concretes, particularly reinforced concretes. Small but powerful high speed saws have been developed for small wall -sawing jobs, pipe cutting, patching repairs to roads and highways, and cutting in all sorts of difficult locations.

Frequently diamond saw blades, their saws and their operators, are stressed to the limit when doing these tricky jobs. This is evidenced by rapid wear of saws and the need for replacement every couple of years. The last thing the operator needs is a broken off diamond segment; worse still, more than one segment. The high r.p.m.s. achieved under full load means segments are travelling at around 160 to 300 km.s an hour-potentially lethal bullets, as many operators will attest.

Understanding the need for operator and bystander safety, High Performance Diamond Technology has introduced the super tough and durable LLCS355 family of 300 to 360mm diamond saw blades. Each blade is fastidiously built by lazer to ensure segment joints up to twice the strength of brazed joints. Even at temperatures exceeding 1000 degrees centigrade, the joints will be undamaged.

To further complement this rugged and safe construction, the diamonds are selected for their ability to part reinforcing steel easily, thereby reducing stress on the operator and sawing system.

At these speeds, water coolant can be tricky to apply successfully, necessitating an innovative heat conducting bond development.

Taken as a balanced design, professional cutters will realise that this approach is eminently sensible under N.Z.'s tough health and safety laws.
After all, a smooth flow of work uninterrupted by accidents or official censure are likely to produce better bottom line profits.

LLCS blades are designed to produce better safety records for you and your men. They are unashamedly designed to give superior performance in tough conditions when only the best will do.